**UKUPNA CITIRANOST radova DR VESNE VODNIK (rođene VUKOVIĆ) prema podacima Google scholar, za period 1992-2024., iznosi 3006 citata,** [**h-index**](javascript:void(0)) **= 29**

<http://scholar.google.com/citations?hl=sr&user=J01K-ZAAAAAJ>

**CITIRANOST radova BEZ AUTOCITATA (Scopus, Isi Web, Google scholar, ResearchGate), za period 1992.-2024., iznosi 2679 citata:**

**1.** Stevanović, SM; **Vuković, VV**; Mitrović, MV

*Adsorption method for separation and determination of mixed nitroorganics in water,*

**JOURNAL OF SERBIAN CHEMICAL SOCIETY, 57: 385-390 1992**

1. *Stevanovic, SM; Damljanovic, M; Mitrovic, MV*

*Colorimetric method for semiquantitative determination of chloroorganics in water*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 63 (3): 213-218 1998***

**2. Vuković, VV**; Nedeljković, JM

*Surface modification of nanometer-scale silver particles by imidazole,*

**LANGMUIR, 9(4): 980-983 1993**

1. *Pirković, А; Lazić, V;...& Nedeljković, J*

*Comparative analysis of Ag NPs functionalized with olive leaf extract and oleuropein and toxicity in human trophoblast cells and peripheral blood lymphocytes,* ***MUTAGENESIS, 2023, https://doi.org/10.1093/mutage/gead013***

1. *Sredojević, D., Stavrić, S., Lazic, V., Ahrenkiel, S. P., & Nedeljković, J. M*

*Interfacial charge transfer complex formation between silver nanoparticles and aromatic amino acids.*

***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2022,*** ***https://doi.org/10.1039/D2CP02041F***

1. *Azizi-lalabadi, M; Garavand, F;Mahdi Jafari, S*

*Incorporation of silver nanoparticles into active antimicrobial nanocomposites: Release behavior, analyzing techniques, applications and safety issues****ADVANCES IN COLLOID AND INTERFACE SCIENCE, 2021, DOI: 10.1016/j.cis.2021.102440***

1. *Hamza, MF; Hamad, DM;...& El-Etrawy, AAS*

*Functionalization of magnetic chitosan microparticles for high-performance removal of chromate from aqueous solutions and tannery effluent,* ***CHEMICAL ENGINEERING JOURNAL, 428: 131775 2022***

1. *Vukoje, I; Lazić, V; ...& Nedeljković, J*

*Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 194: 461-469 2022***

1. *Kuzman, S; Periša, J;...& Dramićanin, MD*

*Surface Plasmon Enhancement of Eu 3+ Emission Intensity in LaPO 4 /Ag Nanoparticles*

***MATERIALS 13(3071):3071 2020, DOI: 10.3390/ma13143071***

1. *Miljkvoć, M;Lazić, V;...˛&Nedeljković, JM*

*Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against E. coli*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2020, DOI:10.1007/s10904-019-01402-x***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Davidović, SZ*

*Primena dekstrana iz bakterija mlečne kiseline za sintezu nanočestica srebra i proizvodnju jestivih filmova*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2019***

1. *Saucedo, FL; Rojas, GGF; Saucedo, JL;...Bucio, E*

*Antimicrobial silver-loaded polypropylene sutures modified by radiation-grafting*

***EUROPEAN POLYMER JOURNAL, 2018, DOI:10.1016/j.eurpolymj.2018.02.005***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***Chapter In Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

1. *Capek, I*

*Polymer Template-Directed Synthesis.*

***Chapter In Noble Metal Nanoparticles Springer, Tokyo, pp. 317-414 2017, https://doi.org/10.1007/978-4-431-56556-7\_4***

1. *Capek, I*

*Noble Metal Nanoparticles**: Preparation, Composite Nanostructures, Biodecoration and Collective Properties*

***Book, Springer, Tokyo, Springer, 2017,* *ISBN 978-4-431-56554-*3*https://books.google.rs/books?hl=sr&lr=&id=n70tDwAAQBAJ&oi=fnd&pg=PR7&ots=DIKSDYHvUJ***

1. *Lončarević,D; Vukoje,I; Dostanić,J; Bjelajac,A; Đorđević, V;Dmitrijević, S; Nedeljković, J*

[*Antimicrobial and Photocatalytic Abilities of Ag2CO3 Nano‐Rods*](http://scholar.google.com/scholar_url?url=http://onlinelibrary.wiley.com/doi/10.1002/slct.201700003/full&hl=sr&sa=X&scisig=AAGBfm11XypwhEmI5WTxNSoKHOFrp_QOYg&nossl=1&oi=scholaralrt)

***CHEMISTRY SELECT, 2(10):2931-2938 2017***

1. *Davidović, S; Lazić, V; Vukoje, I; Papan, J; Anhrenkiel, SP; Dimitrijević, S; Nedeljković, JM*

*Dextran coated silver nanoparticles—Chemical sensor for selective cysteine detection.*

***COLLOIDS AND SURFACE B: BIOINTERFACES, 160: 184-191 2017***

1. *Patil, VJ*

*Electrostatically controlled formation of nanocomposite thin films with organic matrices*

***Doctoral dissertation, 2017, CSIR-National Chemical Laboratory, Pune,*** [***http://ncl.csircentral.net/id/eprint/3086***](http://ncl.csircentral.net/id/eprint/3086)

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016, http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Otani, S; Nomura, A*

*Conductive resin composition and chip-type electronic component*

***U.S. Patent No. 9,263,188. Washington, DC: U.S. Patent and Trademark Office, 2016***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom*

***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2016, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Ferreira, AM; Roque, É B; Fonseca, FVD; Borges, CP*

*High flux microfiltration membranes with silver nanoparticles for water disinfection.*

***DESALINATION AND WATER TREATMENT, 56 (13): 3590-3598 2015***

1. *Tian, K; Liu, WJ; Jiang, H*

*Comparative Investigation on Photoreactivity and Mechanism of Biogenic and Chemosythetic Ag/C3N4 Composites under Visible Light Irradiation,****ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 3 (2): 269–276 2015***

1. *Sanader, Ž; Mitrić, R; Bonačić-Koutecký, V; Bellina, B; Antoine, R; Dugourd, P*

*The nature of electronic excitations at the metal–bioorganic interface illustrated on histidine–silver hybrids.*

***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 16:1257-1261 2014***

1. *Li, N; Ni, S*

*Amino acids as novel nucleophiles for silver nanoparticle‐luminol chemiluminescence.*

***LUMINESCENCE,*** ***29 (8):1130-1134 2014***

1. *Abbo, MA; Aliana, M A*

*Electrochemical Effects on Spectral properties of Silver Nano Particles Adsorbed on Transparent Cd-TiO2 Electrodes.*

***JOURNAL OF BASIC AND APPLIED CHEMISTRY, 2(4): 1-11 2013***

1. *Tsai, LD; Hsueh, K L; Chang, S C; Lo, M Y; Peng, Y M; Huang, C C;* [*Liu*](http://www.google.com/search?tbo=p&tbm=pts&hl=en&q=ininventor:%22Ru-Shi+Liu%22)*,RS;* [*Chen*](http://www.google.com/search?tbo=p&tbm=pts&hl=en&q=ininventor:%22Hao-Ming+Chen%22)*,HM; Peng, HC*

***U.S. Patent No. 8,460,427. Washington, DC, 2013 http://www.google.com/patents/US8460427***

1. [*Nishimura, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26025242800&zone=)*;* [*Mott, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36610689200&zone=)*;* [*Takagaki, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507361403&zone=)*;* [*Maenosono, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35362299000&zone=)*;* [*Ebitani, K*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35322090900&zone=)

*Role of base in the formation of silver nanoparticles synthesized using sodium acrylate as a dual reducing and encapsulating agent,*[***PHYSICAL CHEMISTRY CHEMICAL PHYSICS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=27011&origin=resultslist) ***13 (20): 9335-9343 2011***

1. [*Božanić, DK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52363294400&zone=)*;* [*Djoković, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701482817&zone=)*;* …&[*Radhakrishnan, T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52364685900&zone=)

[*Inhibition of microbial growth by silver-starch nanocomposite thin films*](http://www.scopus.com/record/display.url?eid=2-s2.0-80053471335&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=HwXsaS5YdwDc18zohxZUoco%3a770&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF BIOMATERIALS SCIENCE, POLYMER EDITION, 22 (17): 2343-2355 2011***

1. [*Aswathy, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37006545200)*;* [*Avadhani, GS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7801423321)[*Sumithra, IS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36859649400)*;* [*Suji, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37007046100)*;* [*Sony, G*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36859584600)

*Microwave assistedsynthesis and UV-Vis spectroscopic studies of silver nanoparticles synthesized using vanillin as a reducing agent,****JOURNAL OF MOLECULAR LIQUIDS, 159 (2): 165-169 2011***

1. [*Li, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36065390000)[*Gu, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36546051900) [*Cui, H*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35502950400)

[*Luminol chemiluminescence induced by silver nanoparticles in the presence of nucleophiles and Cu2+*](http://www.scopus.com/record/display.url?eid=2-s2.0-77957752528&origin=resultslist&sort=plf-f&cite=2-s2.0-0001408037&src=s&imp=t&sid=33IH9jGg2_n0fvpp_UsXnAj%3a480&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)

***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, 215 (2-3): 185-190 2010***

1. [*Balamurugan, A;*](http://www.scopus.com/search/submit/author.url?author=Balamurugan%2c+A.&origin=resultslist&authorId=16678558600&src=s)[*Ho, K-C;*](http://www.scopus.com/search/submit/author.url?author=Ho%2c+K.-C.&origin=resultslist&authorId=35237456800&src=s)[*Chen, S-M;*](http://www.scopus.com/search/submit/author.url?author=Chen%2c+S.-M.&origin=resultslist&authorId=35434561700&src=s)[*Huang, T-Y*](http://www.scopus.com/search/submit/author.url?author=Huang%2c+T.-Y.&origin=resultslist&authorId=36086317200&src=s)

*Electrochemical sensing of NADH based on Meldola Blue immobilized silver nanoparticle-conducting polymer electrode*

***COLLOIDS AND SURFACE*** [***A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS***](http://www.scopus.com/source/sourceInfo.url?sourceId=26589&origin=resultslist) ***, 362 (1-3): 1-7 2010***

1. *Girao, AV; Martins, M; Pereira, S;* [*Trindade, T*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=W1295o7i8HlKoHBpf84&name=Trindade%20T&ut=000273984900044&pos=4&cacheurlFromRightClick=no)*;* [*Zhachuk, R*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=W1295o7i8HlKoHBpf84&name=Zhachuk%20R&ut=000273984900044&pos=5)*;* [*Kazan, M*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=W1295o7i8HlKoHBpf84&name=Kazan%20M&ut=000273984900044&pos=6)*;* [*Watson, IM*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=W1295o7i8HlKoHBpf84&name=Watson%20IM&ut=000273984900044&pos=7)

[*Noble Metal Nanocrystals at the Surface of Nitride Semiconductors: Synthesis, Deposition and Surface Characterization*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=29&SID=W1295o7i8HlKoHBpf84&page=1&doc=3) *,JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 10(4): 2574-2577 2010*

1. *Bar-Ziv, R; Zilbermann, I; Zidki, T; Cohen, H; Meyerstein, D*

*Reactions of alkyl peroxyl radicals with metal nanoparticles in aqueous solutions*

***JOURNAL OF PHYSICAL CHEMISTRY C, 113 (8): 3281-3286 2009***

1. [*Balamurugan, A;*](http://www.scopus.com/search/submit/author.url?author=Balamurugan%2c+A.&origin=resultslist&authorId=16678558600&src=s)[*Ho, K-C;*](http://www.scopus.com/search/submit/author.url?author=Ho%2c+K.-C.&origin=resultslist&authorId=35237456800&src=s)[*Chen, S-M*](http://www.scopus.com/search/submit/author.url?author=Chen%2c+S.-M.&origin=resultslist&authorId=7410263648&src=s)

*One-pot synthesis of highly stable silver nanoparticles-conducting polymer nanocomposite and its catalytic application ,****SYNTHETIC METALS, 159 (23-24): 2544-2549 2009***

1. [*Usha, RS*](http://www.scopus.com/search/submit/author.url?author=Usha+Rani%2c+S.&origin=resultslist&authorId=26031819600&src=s)*;* [*Jeeva, PK*](http://www.scopus.com/search/submit/author.url?author=Jeeva+Pandian%2c+K.&origin=resultslist&authorId=35242192400&src=s)*;* [*Reddy, BSR*](http://www.scopus.com/search/submit/author.url?author=Reddy%2c+B.S.R.&origin=resultslist&authorId=25722832700&src=s)

*Syntheses and characterisation of silver nanoparticles in the acrylate copolymers*

***JOURNAL OF EXPERIMENTAL NANOSCIENCE, 4 (4): 285-299 2009***

1. *Wu, CI ; Huang, JW ; Wen, YL;* [*Wen, SB*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z2dOLhOgefp782BeB41&name=Wen%20SB&ut=000275578000021&pos=4)*;* [*Shen, YH*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z2dOLhOgefp782BeB41&name=Shen%20YH&ut=000275578000021&pos=5)*;* [*Yeh, MY*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Z2dOLhOgefp782BeB41&name=Yeh%20MY&ut=000275578000021&pos=6)

[*Preparation of Antibacterial Waterborne Polyurethane/silver Nanocomposite*](http://apps.isiknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=8&SID=Z2dOLhOgefp782BeB41&page=1&doc=1)*JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 56****(****6****)*** *1231-1235 2009*

1. [*Clémenson, S;*](http://www.scopus.com/search/submit/author.url?author=Cle%cc%81menson%2c+S.&origin=resultslist&authorId=14061765000&src=s)[*Léonard, D;*](http://www.scopus.com/search/submit/author.url?author=Le%cc%81onard%2c+D.&origin=resultslist&authorId=23973079100&src=s)[*Sage, D;*](http://www.scopus.com/search/submit/author.url?author=Sage%2c+D.&origin=resultslist&authorId=23973596500&src=s)[*David, L;*](http://www.scopus.com/search/submit/author.url?author=David%2c+L.&origin=resultslist&authorId=23972152300&src=s)[*Espuche, E*](http://www.scopus.com/search/submit/author.url?author=Espuche%2c+E.&origin=resultslist&authorId=6701350851&src=s)

*Metal nanocomposite films prepared in Situ from PVA and silver nitrate. Study of the nanostructuration process and morphology as a function of the in Situ routes*

***JOURNAL OF POLYMER SCIENCE, PART A: POLYMER CHEMISTRY, 46 (6): 2062-2071 2008***

1. *Al-Rawashdeha, NA; El-Akhrasb, AI; Abboc, M; Al-Mubarakc, MO*

*The Effect of Applied Potential on Plasmon Resonance Bands of Nanoscopic Silver Particles Adsorbed on Transparent Electrodes,****JORDAN JOURNAL OF CHEMISTRY, 3(1):57-68 2008***

1. *Šaponjić, ZV; Rajh, T; Dimitrijević, NM*

*Assembly of TOPO-Capped Silver Nanoparticles to Multilayered Films*

***MATERIALS SYNTHESES, SPRINGER VIENNA, ISBN: 978-321175124-4, 149-153 2008***

1. *Hu M; Hartland, G.V*

[*Ultrafast Dynamics of Metal Nanospheres and Nanorods*](https://www.researchgate.net/publication/226423576_Ultrafast_Dynamics_of_Metal_Nanospheres_and_Nanorods)

***Chapter in book: Nanoscale Materials, pp.97-118 2007, DOI: 10.1007/0-306-48108-1\_4***

1. *Chen, YK; Rao, WH; Zhou, RM*

*Influence of surfactant (PVA) concentration on the preparation of copper nanoparticles by using electron beam- irradiation method****,CHEMICAL ENGINEER, 21(12) 2007*** ***doi:***[***10.3969/j.issn.1002-1124.2007.12.002***](http://dx.doi.org/10.3969%2fj.issn.1002-1124.2007.12.002)

1. [*Gao, N;*](http://www.scopus.com/search/submit/author.url?author=Gao%2c+N.&origin=resultslist&authorId=12762200900&src=s)[*Dong, J;*](http://www.scopus.com/search/submit/author.url?author=Dong%2c+J.&origin=resultslist&authorId=8875967200&src=s)[*Zhang, H;*](http://www.scopus.com/search/submit/author.url?author=Zhang%2c+H.&origin=resultslist&authorId=14053220800&src=s)[*Zhou, X;*](http://www.scopus.com/search/submit/author.url?author=Zhou%2c+X.&origin=resultslist&authorId=12752186300&src=s)[*Zhang, G;*](http://www.scopus.com/search/submit/author.url?author=Zhang%2c+G.&origin=resultslist&authorId=7405267920&src=s)[*Eastoe, J*](http://www.scopus.com/search/submit/author.url?author=Eastoe%2c+J.&origin=resultslist&authorId=7005571147&src=s)

*Application of a multi-dentate amphiphilic compound to transfer silver nanoparticles into an organic solvent*

***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 304 (2): 388-393 2006***

1. *Yao, AL; Lu, GQ; Hu, CW*

*Electrochemical behaviour and preparation of silver nanoparticle modified electrode*

***CHINESE JOURNAL OF INORGANIC CHEMISTRY, 22 (6): 1099-1102 2006***

1. [*Wiederrecht, GP;*](http://www.scopus.com/search/submit/author.url?author=Wiederrecht%2c+G.P.&origin=resultslist&authorId=7005176453&src=s)[*Wurtz, GA;*](http://www.scopus.com/search/submit/author.url?author=Wurtz%2c+G.A.&origin=resultslist&authorId=6601950645&src=s)[*Bouhelier, A;*](http://www.scopus.com/search/submit/author.url?author=Bouhelier%2c+A.&origin=resultslist&authorId=6601945420&src=s)[*Hall, JE;*](http://www.scopus.com/search/submit/author.url?author=Hall%2c+J.E.&origin=resultslist&authorId=7407378965&src=s)[*Hranisavljevic, J*](http://www.scopus.com/search/submit/author.url?author=Hranisavljevic%2c+J.&origin=resultslist&authorId=7003709987&src=s)

*Plasmonic heterostructures for addressable nanophotonics NANOPHOTONICS-****PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS, 6195:*** *61950T* ***2006, doi:10.1117/12.666660***

1. *Chen, M; Wang, LY; Han, JT; Zhang, JY; Li, ZY; Qian, DJ*

*Preparation and study of polyacryamide-stabilized silver nanoparticles through a one-pot process*

***JOURNAL OF PHYSICAL CHEMISTRY B, 110 (23): 11224-11231 2006***

1. [*Lu, GQ;*](http://www.scopus.com/search/submit/author.url?author=Lu%2c+G.-Q.&origin=resultslist&authorId=8901021500&src=s)[*Yao, AL;*](http://www.scopus.com/search/submit/author.url?author=Yao%2c+A.-L.&origin=resultslist&authorId=14029262100&src=s)[*Zheng, CM*](http://www.scopus.com/search/submit/author.url?author=Zheng%2c+C.-M.&origin=resultslist&authorId=7401934900&src=s)

*Mercaptopropionic acid (MPA) capped silver nanoparticles modified electrode and it’s electrochemical behaviour*

***TRANSACTIONS OF BEIJING INSTITUTE OF TECHNOLOGY, 26 (10): 925-928 2006***

1. *Bai, S; Lu, CH; Cao, WX*

*Patterning of self-assembly films fabricated from mercaptoacetic acid capped Ag nanoparticles and diazoresin*

***ACTA CHIMICA SINICA, 63 (9): 866-868 2005***

1. *Hartland, GV*

*Measurements of the material properties of metal nanoparticles by time-resolved spectroscopy*

***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 6 (23): 5263-5274 2004***

1. *Wiederrecht, GP; Wurtz, GA; Im, JS; Hranisavljevic, J*

*J-aggregates on metal nanoparticles characterized through ultrafast spectroscopy and near-field optics*

***SCANNING, 26 (5): I2-I9 2004***

1. *Wiederrecht, GP*

*Near-field optical imaging of noble metal nanoparticles*

***EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 28 (1): 3-18 2004***

1. [*Hartland, GV*](http://www.scopus.com/search/submit/author.url?author=Hartland%2c+G.V.&origin=resultslist&authorId=7003732775&src=s)

*Electron-phonon coupling and heat dissipation in metal nanoparticles*

***INTERNATIONAL JOURNAL OF NANOTECHNOLOGY, 1 (3): 307-327 2004***

1. [*Wurtz, G.A;*](http://www.scopus.com/search/submit/author.url?author=Wurtz%2c+G.A.&origin=resultslist&authorId=6601950645&src=s)[*Hranisavljevic, J;*](http://www.scopus.com/search/submit/author.url?author=Hranisavljevic%2c+J.&origin=resultslist&authorId=7003709987&src=s)[*Wiederrecht, GP*](http://www.scopus.com/search/submit/author.url?author=Wiederrecht%2c+G.P.&origin=resultslist&authorId=7005176453&src=s)

*Observation of coherent optical coupling within inorganic-organic hybrid nanoparticles  ORGANIC OPTOELECTRONICS AND PHOTONICS* ***- PROCEEDINGS OF SPIE, 5464: 176-185 2004, doi:10.1117/12.545684***

1. *Hu, M; Hartland, GV*

*Ultrafast dynamics of metal nanospheres and nanorods,****NANOSCALE MATERIALS, SPRINGER US, 97-118 2004***

1. *Mbhele, ZH; Salemane, MG; van Sittert, CGCE; Nedeljkovic, JM; Djokovic, V; Luyt, AS*

*Fabrication and characterization of silver-polyvinyl alcohol nanocomposites*

***CHEMISTRY OF MATERIALS, 15 (26): 5019-5024 2003***

1. *Wurtz, GA; Hranisavljevic, J; Wiederrecht, GP*

*Electromagnetic scattering pathways for metallic nanoparticles: A near-field optical study*

***NANO LETTERS, 3 (11): 1511-1516 2003***

1. *Saponjic, ZV; Csencsits, R; Rajh, T; Dimitrijevic, NM*

*Self-assembly of TOPO-derivatized silver nanoparticles into multilayered film*

***CHEMISTRY OF MATERIALS, 15 (23): 4521-4526 2003***

1. *Wurtz, GA; Hranisavljevic, J; Wiederrecht, GP*

*Photo-initiated energy transfer in nanostructured complexes observed by near-field optical microscopy*

***JOURNAL OF MICROSCOPY-OXFORD, 210 (3): 340-343 Part 3 2003***

1. *Grocholl, L; Wang, JJ; Gillan, EG*

*Synthesis of sub-micron silver and silver sulfide particles via solvothermal silver azide decomposition*

***MATERIALS RESEARCH BULLETIN, 38 (2): 213-220 2003***

1. *Rentz, EJ*

*Viral pathogens and severe acute respiratory syndrome: Oligodynamic Ag + for direct immune intervention*

***JOURNAL OF NUTRITIONAL AND ENVIRONMENTAL MEDICINE, 13 (2): 109-118 2003***

1. [*Wiederrecht, G.P;*](http://www.scopus.com/search/submit/author.url?author=Wiederrecht%2c+G.P.&origin=resultslist&authorId=7005176453&src=s)[*Wurtz, GA;*](http://www.scopus.com/search/submit/author.url?author=Wurtz%2c+G.A.&origin=resultslist&authorId=6601950645&src=s)[*Im, JS;*](http://www.scopus.com/search/submit/author.url?author=Im%2c+J.S.&origin=resultslist&authorId=7102220492&src=s)[*Hranisavljevic, J*](http://www.scopus.com/search/submit/author.url?author=Hranisavljevic%2c+J.&origin=resultslist&authorId=7003709987&src=s)

*Modulation of the exciton lifetime of j-aggregates on metal nanoparticles and nanoparticle arrays explored through ultrafast spectroscopy and near-field optical microscopyPLASMONICS: METALLIC NANOSTRUCTURES AND THEIR OPTICAL PROPERTIES-* ***PROCEEDINGS OF SPIE, 5221: 1-13 2003***

1. *Wurtz, GA; Dimitrijevic, NM; Wiederrecht, GP*

*The spatial extension of the field scattered by silver nanoparticles excited near resonance as observed by apertureless near-field optical microscopy* ***JAPANESE JOURNAL OF APPLIED PHYSICS PART 2-LETTERS*** *& EXPRESS LETTERS****, 41 (3B): L351-L354 2002***

1. *Hranisavljevic, J; Dimitrijevic, NM; Wurtz, GA; Wiederrecht, GP*

*Photoinduced charge separation reactions of J-aggregates coated on silver nanoparticles*

***JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 124 (17): 4536-4537 2002***

1. [*Hartland, GV;*](http://www.scopus.com/search/submit/author.url?author=Hartland%2c+G.V.&origin=resultslist&authorId=7003732775&src=s)[*Hu, M*](http://www.scopus.com/search/submit/author.url?author=Hu%2c+M.&origin=resultslist&authorId=26326877100&src=s)

*Photophysics of metal nanoparticles: Heat dissipation and coherent excitation of phonon modes    
PHYSICAL CHEMISTRY OF INTERFACES AND NANOMATERIALS****, 4807: 166-176 2002***

1. *Joo, P; Varga, K*

*Radiocolloid-modified electrodes: electroaggregation of silver radiosol*

***COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 193 (1-3): 161-173 2001***

1. [*Firestone, M.A.*](http://www.scopus.com/search/submit/author.url?author=Firestone%2c+M.A.&origin=resultslist&authorId=7006908075&src=s)*,* [*Williams, D.E.*](http://www.scopus.com/search/submit/author.url?author=Williams%2c+D.E.&origin=resultslist&authorId=7406551056&src=s)*,* [*Seifert, S.*](http://www.scopus.com/search/submit/author.url?author=Seifert%2c+S.&origin=resultslist&authorId=7004426564&src=s)*,* [*Csencsits, R.*](http://www.scopus.com/search/submit/author.url?author=Csencsits%2c+R.&origin=resultslist&authorId=6701787332&src=s)

*Nanoparticle Arrays Formed by Spatial Compartmentalization in a Complex Fluid*

***NANO LETTERS, 1 (3): 129-135 2001***

1. *Weimin, L; Qunji, X; Jingfang, Z; Zhang Zhijun, Z*

*Antiwear Properties of Nanoparticles and Application study of Nanoparticles as Additives in the wear- repairing agent* ***CHINA SURFACE ENGINEERING, 14(3):21-25 2001, doi:*** [***10.3321/j.issn:1007-9289.2001.03.005***](http://dx.doi.org/10.3321%2fj.issn%3a1007-9289.2001.03.005)

1. *Zhengping, W; Songlin, S; Maosheng, C; Jing, Z; Huijing, Y; Yujin,C; Biao, W*

*The Optimization of Ni-P Electroless Composite Plating with Si3N4 Nano-particles and the Characterization of the Coating Properties* ***CHINA SURFACE ENGINEERING, 14(3): 25-29 2001 doi:*** [***10.3321/j.issn:1007-9289.2001.03.006***](http://dx.doi.org/10.3321%2fj.issn%3a1007-9289.2001.03.006)

1. *Joo, P; Hollo, V; Varga, K; Hirschberg, G*

*Dispersion colloid and radiocolloid-modified electrodes: electroaggregation of silver radiosol.*

***MAGYAR KEMIAI FOLYOIRAT, 106 (4): 148-158 2000***

1. *Kapoor, S*

*Effect of ligands on the redox reactions of silver metal clusters,****LANGMUIR, 15(13): 4365-4369 1999***

1. *Zhou, JF; Yang, JJ; Zhang, ZJ; Liu, WM; Xue, QJ*

*Study on the Structure and Tribological Properties of Surface-Modified Cu Nanoparticles*

***MATERIALS RESEARCH BULLETIN, 34 (9): 1361-1367 1999***

1. *Shirtcliffe, N; Nickel, U; Schneider, S*

*Reproducible Preparation of Silver Sols with Small- Particle Size Using Borohydride Reduction - For Use as Nuclei for Preparation of Larger Particles.****JOURNAL OF COLLOID AND INTERFACE SCIENCE, 211 (1): 122-129 1999***

1. *Ali, AH; Foss, CA*

*Electrochemically Induced Shifts in the Plasmon Resonance Bands of Nanoscopic Gold Particles Adsorbed on Transparent Electrodes,****JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 146 (2): 628-636 1999***

1. *Subramanya Mayya, K*

*On the problems related to the organization of surface modified colloidal particles at the air-water interface*

***Doctoral dissertation, University of Pune, India, 1999,*** ***http://ncl.csircentral.net/3118/1/TH1176.pdf***

1. *Arai, M ; Nishiyama, Y ; Ikushima, Y*

*Optical-Absorption of Fine Gold Particles in Supercritical Carbon-Dioxide for the*

*Characterization of Solvent Properties,****JOURNAL OF SUPERCRITICAL FLUIDS, 13 (1-3): 149-153 1998***

1. *Kapoor, S*

*Preparation, Characterization, and Surface Modification of Silver Particles,****LANGMUIR, 14 (5): 1021-1025 1998***

1. *Bandyopadhyay, K*

*Electrochemical studies of self-assembled monolayer using small aromatic disulfides and thiols on polycrystalline gold, silver and copper surfaces****Doctoral dissertation, 1998, National Chemical Laboratory, Pune,*** [***http://ncl.csircentral.net/id/eprint/3354***](http://ncl.csircentral.net/id/eprint/3354)

1. *Bandyopadhyay, K; Patil, V; Vijayamohanan, K; Sastry, M*

*Adsorption of silver colloidal particles through covalent linkage to self-assembled monolayers*

***LANGMUIR, 13 (20): 5244-5248 1997***

1. *Sastry, M; Patil, V; Mayya, KS*

*Incorporation of colloidal metal particles in thermally evaporated fatty amine films via selective electrostatic interactions,****LANGMUIR, 13 (16): 4490-4492 1997***

1. *Sastry, M; Mayya, KS; Bandyopadhyay, K*

*pH Dependent changes in the optical properties of carboxylic acid derivatized silver colloidal particles*

***COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 127 (1-3): 221-228 1997***

1. *Sastry, M; Mayya, KS; Patil, V; Paranjape, DV; Hegde, SG*

*Langmuir-Blodgett films of carboxylic acid derivatized silver colloidal particles: Role of subphase pH on degree of cluster incorporation,****JOURNAL OF PHYSICAL CHEMISTRY B, 101 (25): 4954-4958 1997***

1. *Yi-Tao, L ; Jie, Z ; Hong-Yuan, C*

*Electrocatalytic oxidation and flow detection of NAD(P)H at a histidine modified silver electrode*

***ANALYTICAL LETTERS, 30 (15): 2691-2703 1997***

1. *Long, YT; Chen, HY*

*Electrochemical regeneration of coenzyme NADH on a histidine modified silver electrode*

***JOURNAL OF ELECTROANALYTICAL CHEMISTRY, 440 (1-2): 239-242 1997***

1. *Belloni, J*

*Metal nanocolloids,****CURRENT OPINION COLLOID & INTERFACE SCIENCE, 1(2): 184-196 1996***

1. *Zhang, ZJ; Zhang, J; Xue, QJ*

*Synthesis and characterization of a molybdenum-disulfide nanocluster*

***JOURNAL OF PHYSICAL CHEMISTRY, 98 (49): 12973-12977 1994***

1. *Fendler, JH*

*Membrane-mimetic approach to advanced materials ,****ADVANCED POLYMER SCIENCE, 113: 1-& 1994***

**3.** Nedeljković, JM; Vasić, VM; **Vuković, VV;** Jovanović, TS

*Kinetics of the reaction of S-carboxymethyl-L-cysteine with palladium (II) chloride,*

**JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, 13 (4-5): 471-475 1995**

1. [*Mitchell, SC*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7402392304&zone=)*;* [*Steventon, GB*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004147343&zone=)

[*S-Carboxymethyl-L-cysteine*](http://www.scopus.com/record/display.url?eid=2-s2.0-84859720124&origin=resultslist&sort=plf-f&cite=2-s2.0-0028950348&src=s&imp=t&sid=4owjniez_VSxGVyGEA6vAsw%3a650&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***DRUG METABOLISM REVIEWS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=12584&origin=resultslist)  ***44 (2): 129-147 2012***

1. [*Taha, EA;*](http://www.scopus.com/search/submit/author.url?author=Taha%2c+E.A.&origin=resultslist&authorId=6701408778&src=s)[*Hassan, NY;*](http://www.scopus.com/search/submit/author.url?author=Hassan%2c+N.Y.&origin=resultslist&authorId=7102783113&src=s)[*Aal, FA;*](http://www.scopus.com/search/submit/author.url?author=Abdel+Aal%2c+F.&origin=resultslist&authorId=24069732000&src=s)[*Fattah, LES*](http://www.scopus.com/search/submit/author.url?author=Abdel+Fattah%2c+L.E.-S.&origin=resultslist&authorId=6603240977&src=s)*A*

*Kinetic spectrophotometic determination of acetylcysteine and carbocisteine in bulk powder and in drug*

*Formulations,****SCIENCE ASIA, 34 (1): 107-113 2008***

1. *Aly, O. M*

*Colorimetric Determination of N-Acetylcysteine through Reduction of Tetrazolium Salts.*

***JOURNAL OF PHARMACEUTICAL SCIENCE, 37:83-90 2008***

1. [*Taha, EA;*](http://www.scopus.com/search/submit/author.url?author=Taha%2c+E.A.&origin=resultslist&authorId=6701408778&src=s)[*Hassan, NY;*](http://www.scopus.com/search/submit/author.url?author=Hassan%2c+N.Y.&origin=resultslist&authorId=7102783113&src=s)[*Aal, FA;*](http://www.scopus.com/search/submit/author.url?author=Aal%2c+F.A.&origin=resultslist&authorId=16244089400&src=s)[*Fattah, LESA*](http://www.scopus.com/search/submit/author.url?author=Fattah%2c+L.E.-S.A.&origin=resultslist&authorId=13404881400&src=s)

*Fluorimetric determination of some sulfur containing compounds through complex Formation with terbium (Tb+3) and uranium (U+3),****JOURNAL OF FLUORESCENCE, 17 (3): 293-300 2007***

1. *Walash, MI; El-Brashy, AM; Metwally, MES; Abdelal, AA*

*Fluorimetric determination of carbocisteine and ethionamide in drug formulation*

***ACTA CHIMICA SLOVENICA, 51 (2): 283-291 2004***

1. *Walash, MI; El-Brashy, AM; Metwally, MS; Abdelal, AA*

*Spectrophotometric and kinetic determination of some sulphur containing drugs in bulk and drug formulations*

***BULLETIN OF THE KOREAN CHEMICAL SOCIETY, 25 (4): 517-524 2004***

1. *Walash, MI; El-Brashy, AM; Metwally, MS; Abdelal, AA*

*Spectrophotometric determination of penicillamine and carbocisteine based on formation of metal complexes*

***FARMACO, 59 (6):493-503 2004***

1. *Walash, MI;* [*Metwally, MES;*](http://www.scopus.com/search/submit/author.url?author=Metwally%2c+M.E.-S.&origin=resultslist&authorId=7005111425&src=s)[*El-Brashy, AM;*](http://www.scopus.com/search/submit/author.url?author=El-Brashy%2c+A.M.&origin=resultslist&authorId=6701838170&src=s)[*Abdelal, AA*](http://www.scopus.com/search/submit/author.url?author=Abdelal%2c+A.A.&origin=resultslist&authorId=7003891474&src=s)

*Kinetic spectrophotometric determination of some sulfur containing compounds in pharmaceutical preparations and human serum,* ***FARMACO, 58 (12): 1325-1332 2003***

1. *Vasic, V; Cakar, M; Savic, J; Petrovic, B; Nedeljkovic, J; Bugarcic, I*

*Influence of sodium dodecyl sulfate on the kinetics of complex formation between [PdCl(dien)](+) and sulfur containing ligands L-cysteine and glutathione ,* ***POLYHEDRON, 22 (2): 279-285 2003***

1. *N. Winterton*

*Mechanisms of reactions in solution,* ***RSC Publishing, Chapter 27 in Annual Reports Section A:Inorganic Chemistry, 95: 535-591 1999, DOI: 10.1039/A804900I***

1. *Vasic, VM; Tosic, MS; Jovanovic, T; Vujisic, LS; Nedeljkovic, JM*

*Kinetics of Chelate Formation Between Pd-II and S- Carboxymethyl-L-Cysteine* ***POLYHEDRON, 17(4): 399-403 1998***

1. *Tosic, MS; Vasic, VM; Nedeljkovic, JM; Ilic, LA*

*Influence of Sodium Dodecyl-Sulfate Micelles on the Kinetics of Complex-Formation Between Pd(H2O) (4) (2+) and Glutathione,****POLYHEDRON, 16(7): 1157-1160 1997***

1. [*Vasić, VM;*](http://www.scopus.com/search/submit/author.url?author=Vasi%c4%87%2c+V.M.&origin=resultslist&authorId=7003450648&src=s)[*Tošić, MS;*](http://www.scopus.com/search/submit/author.url?author=To%c5%a1i%c4%87%2c+M.S.&origin=resultslist&authorId=8356263000&src=s)[*Nedeljković, JM*](http://www.scopus.com/search/submit/author.url?author=Nedeljkovi%c4%87%2c+J.M.&origin=resultslist&authorId=7003632042&src=s)

*Influence of sodium dodecyl sulphate micelles on the kinetics of complex formation between Pd(H2O)4 2+ and S-carboxymethyl-L-cysteine  ,****JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, 9 (6): 398-402 1996***

**4. Vodnik, VV**; Nedeljković, JM

[*Adsorption of boron containing molecules on silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-0032286676&origin=resultslist&sort=plf-f&cite=2-s2.0-0032286676&src=s&imp=t&sid=ukZdyvYdISXEq6EB89g3wmP%3a440&sot=cite&sdt=a&sl=0)

**JOURNAL OF SERBIAN CHEMICAL SOCIETY, 63(12): 995-1000 1998**

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2016, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. [*Vujačić, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55018714900&zone=)*;* [*Vasić, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55025649600&zone=)*;* [*Dramićanin, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55023146400&zone=)*;* [*Sovilj, SP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55024567600&zone=)*,* [*Bibić, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55025346800&zone=)*;* [*Hranisavljevic, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55020754000&zone=)*;* [*Wiederrecht, GP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55024485700&zone=)

[*Kinetics of J-aggregate formation on the surface of Au nanoparticle colloids*](http://www.scopus.com/record/display.url?eid=2-s2.0-84857398565&origin=resultslist&sort=plf-f&cite=2-s2.0-0032286676&src=s&imp=t&sid=ukZdyvYdISXEq6EB89g3wmP%3a440&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***JOURNAL OF PHYSICAL CHEMISTRY C***](http://www.scopus.com/source/sourceInfo.url?sourceId=5200153123&origin=resultslist)***, 116 (7): 4655-4661******2012***

1. *Vujačić, A*

*Kinetics and mechanism of sodium (Z)-3-(5-chloro-2-((5-chloro-3-(3-sulfonatopropyl) benzothiazol-2(3H)-ylidene)methyl)benzo- thiazol-3-ium-3-yl)propane-1-sulfonate adsorption on gold nanoparticle colloids of different properties and size*

***Doctoral dissertation, Univerzitet u Beogradu, Hemijski fakultet, 2013,*** ***http://nardus.mpn.gov.rs/handle/123456789/3459***

**5. Vodnik, VV**; Nedeljković, JM

*Influence of negative charge on the optical properties of silver sol,*

**JOURNAL OF SERBIAN CHEMICAL SOCIETY, 65(3): 195-200 2000**

1. *Bartolomé, M; Contento, AM;…& Rios, A*

*Innovative and versatile nanoplasmonic approach for the full sensing of proteinogenic aminoacids in nutritional supplements,* ***TALANTA 237(6):122976 2022, DOI: 10.1016/j.talanta.2021.122976***

1. *Кrpić, Ј*

*Природни хеџинг као стратегија заштите од робних и валутних ризика (примери компанија које се баве ископавањем и/или прерадом метала).****Doktorska disertacija, Универзитет „Алфа БК “, 2021.* *https://nardus.mpn.gov.rs/handle/123456789/18345***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom*

***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana,****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Tang, J; Dong, L; Su, W; Wang, S;Xu, L*

*Preparation of colorless polyethyleneimine-silver nanoparticles antibacterial agent and their synergistic antibacterial effect,****GONGNENG CAILIAO/JOURNAL OF FUNCTIONAL MATERIALS, 46 (14): 14097-14102 2015***

1. *Kumar, BR*

*Tunable thermo optical properties of fluids using nanoparticles.*

***Doctoral dissertation 2013,*** [***Mahatma Gandhi University***](http://shodhganga.inflibnet.ac.in/jspui/browse?type=publisher&value=Mahatma+Gandhi+University)***,*** [***Catholicate college***](http://shodhganga.inflibnet.ac.in/jspui/handle/10603/232) ***Department of Physics, India,*** [***http://hdl.handle.net/10603/30557***](http://hdl.handle.net/10603/30557)

1. *Vujačić, A*

*Kinetics and mechanism of sodium (Z)-3-(5-chloro-2-((5-chloro-3-(3-sulfonatopropyl) benzothiazol-2(3H)-ylidene)methyl)benzo- thiazol-3-ium-3-yl)propane-1-sulfonate adsorption on gold nanoparticle colloids of different properties and size,****Doctoral dissertation, Univerzitet u Beogradu, Hemijski fakultet, 2013,*** ***http://nardus.mpn.gov.rs/handle/123456789/3459***

1. *Khadria, A*

*Preparation of gold nanoparticles-α lactalbumin binary complex for Breast Cancer therapy****Doctoral dissertation 2012, NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA, ODISHA, INDIA,******http://ethesis.nitrkl.ac.in/3453/***

1. *Jovanović, Ž; Krklješ,A; Tomić,S; Mišković-Stanković,V; Popović,S; Dragašević,M; Kačarević-Popović,Z*

*Properties of Ag/PVP Hydrogel Nanocomposite Synthesized In Situ by Gamma Irradiation*

***TRENDS IN NANOPHYSICS ENGINEERING MATERIALS, 315-328 2010***

1. *Moores, A; Goettmann, F*

*The plasmon band in noble metal nanoparticles: an introduction to theory and applications*

***NEW JOURNAL OF CHEMISTRY, 30 (8): 1121-1132 2006***

**6.** Babić-Stojić, B; Milivojević, D; Čomor, MI; **Vodnik, VV**

*Optical and electron paramagnetic resonance spectroscopy of Cd1-xMnxS quantum dots,*

**JOURNAL OF PHYSICS: CONDENSED MATTER, 16(5): 4625-4633 2004**

1. *Darekar, MS;* *Mokshanatha, PB*

*Mn-Doped CdS Thin Film Deposition on FTO and Si: A Comparative Investigation*

***JOURNAL OF MODERN NANOTECHNOLOGY, 2025, DOI: 10.53964/jmn.2025001***

1. *Li, GL; Wu, SY;Fan, KM*

*Investigations on the defect structures for Mn2+ in CdSe nanocrystals and bulk materials and the criterion of occupation for Mn2+ in CdX (X = S, Se, Te) nanocrystals.* ***MAGNETIC RESONANCE IN CHEMISTRY, 2024, DOI: 10.1002/mrc.5446***

1. *Darekar, MS; Praveen, BM*

*Formation of lead iodide nanoparticles using the sol–gel method and their applications*

***INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2024,*** ***https://doi.org/10.1142/S0217979225500766***

1. *Darekar, MS; Praveen, BM*

*Hyperfine splitting and ferromagnetism in CdS: Mn nanoparticles for optoelectronic device applications.*

***JOURNAL OF SEMICONDUCTORS, 44: 1-15 2023***

1. *Pinchetti, V; Moro, F;…& Brovelli, S*

*Magnetic Transitions and Energy Transfer Processes in Sb-Based Zero-Dimensional Metal Halide Nanocrystals Doped with Manganese,* ***ACS ENERGY LETTERS, 2022, DOI: 10.1021/acsenergylett.2c00364***

1. *Galyametdinov, Y;Sagdeev, DO;….& Shamilov, R*

*The dependence of paramagnetic and optical characteristics of Mn:CdS nanoparticles on high-temperature synthesis conditions,****MATERIALS RESEARCH EXPRESS 5(7) 2018, DOI: 10.1088/2053-1591/aacfc4***

1. [*Sambandam, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26647792400&zone=)[*Muthu, SE;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55743656000&zone=)[*Arumugam, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16836101400&zone=)[*Manoharan, PT*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15120961900&zone=)

[*Coexistence of antiferromagnetism and ferromagnetism in Mn2+/CdS nanocrystals and their photophysical properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878098421&origin=resultslist&sort=plf-f&cite=2-s2.0-3042815794&src=s&imp=t&sid=410A5B9BCFEE236B6D2C4F33A465A9B3.Vdktg6RVtMfaQJ4pNTCQ%3a470&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***RSC ADVANCES, 3 (15):5184-5195 2013***

1. [*Romčević, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8947786200&zone=)[*Petrović-Damjanović, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55249744000&zone=)…&[*Čomor, MI*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602854119&zone=)

[*Magnetic field influence on optical properties of Cd1- xMnxS (x = 0; 0.3) quantum dots: Photoluminescence study*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870685834&origin=resultslist&sort=plf-f&cite=2-s2.0-3042815794&src=s&imp=t&sid=58754ACA26B5621A6394446D519ED5AC.ZmAySxCHIBxxTXbnsoe5w%3a560&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***JOURNAL OF ALLOYS AND COMPOUNDS***,](http://www.scopus.com/source/sourceInfo.url?sourceId=12325&origin=resultslist)  ***553:75-78 2013***

1. [*Kostić, R.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54969745300&zone=)*,* [*Damjanović, MP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54968640500&zone=)*;* [*Romčević, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54968676300&zone=)*;* [*Romčević, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54967597500&zone=)*;* [*Stojanović, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54968171700&zone=)*;* [*Čomor, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54969134500&zone=)

[*Far-infrared spectroscopy of Cd 1-xMn xS quantum dots*](http://www.scopus.com/record/display.url?eid=2-s2.0-84857451485&origin=resultslist&sort=plf-f&cite=2-s2.0-3042815794&src=s&imp=t&sid=kuqvapCtmGYwterpdpfQvo4%3a200&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)[***JOURNAL OF ALLOYS AND COMPOUNDS***,](http://www.scopus.com/source/sourceInfo.url?sourceId=12325&origin=resultslist) ***521: 134-140 2012***

1. *Čomor, MI; Abazović, ND; Janković, IA; Jovanović, DJ; Stoiljković, M; Šojić, DV; Abramović, BF*

*Rutile nanostructures: Synthesis, characterization and potential application in photocatalytic processes ( Book Chapter in* [*Rutile: Properties, Synthesis and Applications*](http://www.scopus.com/display/book.url?sourceId=21100290594&requestedPage=book)*)*

***NOVA SCIENCE PUBLISHERS, INC. NEY YORK, ISBN: 978-161942233-9, pp. 29-51 2012***

1. [*Li, L.-L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8560300000&zone=)*;* [*Wu, S-Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35239028200&zone=)*;* [*Song, B-T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=41262453000&zone=)*;* [*Wang, X-F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35209305200&zone=)

[*Theoretical investigation of the spin Hamiltonian parameters and local structure and their concentration dependences for Cd1-xMn xS quantum dots*](http://www.scopus.com/record/display.url?eid=2-s2.0-82955207181&origin=resultslist&sort=plf-f&cite=2-s2.0-29044446009&src=s&imp=t&sid=CHIk-eqPCSwWdqQHdXEtj_-%3a420&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=), ***PHYSICA SCRIPTA,* *84 (6), art. no. 065704 2011***

1. [*Begum, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=41460975600&zone=)*;* [*Chattopadhyay, A.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35572851000&zone=)

*In situ reversible tuning of photoluminescence of Mn2+-doped ZnS quantum dots by redox chemistry*

[***LANGMUIR,***](http://www.scopus.com/source/sourceInfo.url?sourceId=26987&origin=resultslist)  ***27 (10): 6433-6439 2011***

1. [*Romcevic, M;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+M.&origin=resultslist&authorId=6603196368&src=s)[*Romcevic, N;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+N.&origin=resultslist&authorId=8947786200&src=s)[*Kostic, R;*](http://www.scopus.com/search/submit/author.url?author=Kostic%2c+R.&origin=resultslist&authorId=6602089212&src=s)[*Klopotowski, L;*](http://www.scopus.com/search/submit/author.url?author=Klopotowski%2c+L.&origin=resultslist&authorId=13104757200&src=s)[*Dobrowolski, WD;*](http://www.scopus.com/search/submit/author.url?author=Dobrowolski%2c+W.D.&origin=resultslist&authorId=35742908300&src=s)[*Kossut, J;*](http://www.scopus.com/search/submit/author.url?author=Kossut%2c+J.&origin=resultslist&authorId=35334442500&src=s)[*Čomor, MI*](http://www.scopus.com/search/submit/author.url?author=%c4%8comor%2c+M.I.&origin=resultslist&authorId=35309635800&src=s)

*Photoluminescence of highly doped Cd1-xMnxS nanocrystals*

[***JOURNAL OF ALLOYS AND COMPOUNDS***,](http://www.scopus.com/source/sourceInfo.url?sourceId=12325&origin=resultslist) ***497 (1-2): 46-51 2010***

1. *Hofmann, A*

*Synthese, Charakterisierung und selektive Oberflächenfunktionalisierung strukturierter Nanopartikel*

***Doctoral dissertation, Freie Universität Berlin, 2010, http://www.diss.fu-berlin.de/diss/servlets/MCRFileNodeServlet/FUDISS\_derivate\_000000007661/hofmann\_Dissertation.pdf***

1. [*Sambandam, B;*](http://www.scopus.com/search/submit/author.url?author=Sambandam%2c+B.&origin=resultslist&authorId=26647792400&src=s)[*Manoharan, PT*](http://www.scopus.com/search/submit/author.url?author=Manoharan%2c+P.T.&origin=resultslist&authorId=15120961900&src=s)

*Davydov split PL emission and EPR correlation in β-mns layered CdS nanorods*

***JOURNAL OF PHYSICAL CHEMISTRY C, 113 (22): 9486-9496 2009***

1. [*Sudhagar, P;*](http://www.scopus.com/search/submit/author.url?author=Sudhagar%2c+P.&origin=resultslist&authorId=14020450700&src=s)[*Sathyamoorthy, R;*](http://www.scopus.com/search/submit/author.url?author=Sathyamoorthy%2c+R.&origin=resultslist&authorId=8293609200&src=s)[*Chandramohan, S;*](http://www.scopus.com/search/submit/author.url?author=Chandramohan%2c+S.&origin=resultslist&authorId=12345462300&src=s)[*Senthilarasu, S;*](http://www.scopus.com/search/submit/author.url?author=Senthilarasu%2c+S.&origin=resultslist&authorId=8293609500&src=s)[*Lee, SH*](http://www.scopus.com/search/submit/author.url?author=Lee%2c+S.-H.&origin=resultslist&authorId=25652698100&src=s)

*Synthesis of Cd1-xMnxS nanoclusters by surfactant-assisted method: Structural, optical and magnetic properties*

***MATERIALS LETTERS, 62 (16):2430-2433 2008***

1. [*Zhang, YY;*](http://www.scopus.com/search/submit/author.url?author=Zhang%2c+Y.-Y.&origin=resultslist&authorId=25638084500&src=s)[*Chen, JF;*](http://www.scopus.com/search/submit/author.url?author=Chen%2c+J.-F.&origin=resultslist&authorId=8721916300&src=s)[*Zheng, XS;*](http://www.scopus.com/search/submit/author.url?author=Zheng%2c+X.-S.&origin=resultslist&authorId=23479087300&src=s)[*Dong, XH*](http://www.scopus.com/search/submit/author.url?author=Dong%2c+X.-H.&origin=resultslist&authorId=8605332800&src=s)

*Preparation of manganese-doped ZnSe precursor nanoribbon bundles and investigation of its magneto-optical properties .****CHINESE JOURNAL OF CHEMICAL PHYSICS, 20 (5): 607-612 2007***

1. *Romčević, N;* [*Kostić, R;*](http://www.scopus.com/search/submit/author.url?author=Kostic%cc%81%2c+R.&origin=resultslist&authorId=6602089212&src=s)[*Romčević, M*](http://www.scopus.com/search/submit/author.url?author=Romc%cc%8cevic%cc%81%2c+M.&origin=resultslist&authorId=6603196368&src=s)

*Off-resonance Raman spectroscopy of Cd1-xMnxS nanoparticles* ***PHYSICA STATUS SOLIDI C, 3 (5): 1295-1297 2006***

1. *Romcevic, N; Kostic, R; Romcevic, M; Comor, MI; Nedeljkovic, JM*

*Raman spectroscopy of Cd1-xMnxS quantum dots* ***JOURNAL OF PHYSICS D-APPLIED PHYSICS, 38 (24): 4321-4324 2005***

1. [*Sima, M;*](http://www.scopus.com/search/submit/author.url?author=Sima%2c+M.&origin=resultslist&authorId=8931109300&src=s)[*Enculescu, I;*](http://www.scopus.com/search/submit/author.url?author=Enculescu%2c+I.&origin=resultslist&authorId=6603938022&src=s)[*Ghiordanescu, V;*](http://www.scopus.com/search/submit/author.url?author=Ghiordanescu%2c+V.&origin=resultslist&authorId=6602973614&src=s)[*Mihut, L*](http://www.scopus.com/search/submit/author.url?author=Mihut%2c+L.&origin=resultslist&authorId=6603450357&src=s)

*Absorption and photoluminescence properties of CdS:Mn2+: Cu+ nanostructures*

***JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 7 (4): 1949-1955 2005***

1. [*Ghiordanescu, V;*](http://www.scopus.com/search/submit/author.url?author=Ghiordanescu%2c+V.&origin=resultslist&authorId=6602973614&src=s)[*Sima, M;*](http://www.scopus.com/search/submit/author.url?author=Sima%2c+M.&origin=resultslist&authorId=8931109300&src=s)[*Enculescu, I;*](http://www.scopus.com/search/submit/author.url?author=Enculescu%2c+I.&origin=resultslist&authorId=6603938022&src=s)[*Grecu, MN;*](http://www.scopus.com/search/submit/author.url?author=Grecu%2c+M.N.&origin=resultslist&authorId=6701669735&src=s)[*Mihut, L;*](http://www.scopus.com/search/submit/author.url?author=Mihut%2c+L.&origin=resultslist&authorId=6603450357&src=s)[*Secu, M;*](http://www.scopus.com/search/submit/author.url?author=Secu%2c+M.&origin=resultslist&authorId=6603406868&src=s)[*Neumann, R*](http://www.scopus.com/search/submit/author.url?author=Neumann%2c+R.&origin=resultslist&authorId=7202469529&src=s)

*Photoluminescence of manganese- And copper-doped CdS nanowires*

***PHYSICA STATUS SOLIDI (A)-****APLICATION AND MATERIALS SCIENCE****, 202 (3):449-454 2005***

1. [*Kostić, R;*](http://www.scopus.com/search/submit/author.url?author=Kostic%cc%81%2c+R.&origin=resultslist&authorId=6602089212&src=s)[*Romćević, N*](http://www.scopus.com/search/submit/author.url?author=Romc%cc%81evic%cc%81%2c+N.&origin=resultslist&authorId=8947786200&src=s)

*Raman spectroscopy of CdS nanoparticles,* ***PHYSICA STATUS SOLIDI C, 1 (11): 2646-2649 2004***

**7.** [Kostic, R;](http://www.scopus.com/search/submit/author.url?author=Kostic+R.&origin=resultslist&authorId=6602089212) [Romcevic N;](http://www.scopus.com/search/submit/author.url?author=Romcevic+N.&origin=resultslist&authorId=8947786200) [Comor, MI;](http://www.scopus.com/search/submit/author.url?author=Comor+M.I.&origin=resultslist&authorId=35309635800) [Romcevic, M;](http://www.scopus.com/search/submit/author.url?author=Romcevic+M.&origin=resultslist&authorId=6603196368) [Grujic-Brojcin, M;](http://www.scopus.com/search/submit/author.url?author=Grujic-Brojcin+M.&origin=resultslist&authorId=8688080600) [**Vodnik, VV;**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.V.&origin=resultslist&authorId=6508327780) [Nedeljkovic, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=34572000900)

*Far-infrared phonon spectroscopy of Cd1-x MnxS quantum dots,***MATERIALS SCIENCE FORUM (PROGRESS IN ADVANCED MATERIALS AND PROCESSES), 453-454: 293-298 2004**

1. [*Romčević, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8947786200&zone=)[*Petrović-Damjanović, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55249744000&zone=)*…&*[*Čomor, MI*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602854119&zone=)

[*Magnetic field influence on optical properties of Cd1- xMnxS (x = 0; 0.3) quantum dots: Photoluminescence study*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870685834&origin=resultslist&sort=plf-f&cite=2-s2.0-3042815794&src=s&imp=t&sid=58754ACA26B5621A6394446D519ED5AC.ZmAySxCHIBxxTXbnsoe5w%3a560&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***JOURNAL OF ALLOYS AND COMPOUNDS***,](http://www.scopus.com/source/sourceInfo.url?sourceId=12325&origin=resultslist)  ***553:75-78 2013***

1. *Klingshirn, C*

*Quantum dots and nano crystals based on CdS and its alloys.*

***Springer Berlin Heidelberg, Chapter: In Growth and Structuring, pp. 318-327 2013,***

***DOI:10.1007/978-3-540-68357-5\_58, Print ISBN 978-3-540-63347-1***

1. *Raghavan, U*

*Evaluation of Opto-Electronic Properties of Semiconductor Nanomaterials.*

***Doctoral dissertation, Department of Chemistry, University of Pune, India, 2011, http://dspace.vpmthane.org:8080/jspui/bitstream/123456789/2918/1/Starting\_pages.pdf***

1. [*Romcevic, M;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+M.&origin=resultslist&authorId=6603196368&src=s)[*Romcevic, N;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+N.&origin=resultslist&authorId=8947786200&src=s)[*Kostic, R;*](http://www.scopus.com/search/submit/author.url?author=Kostic%2c+R.&origin=resultslist&authorId=6602089212&src=s)[*Klopotowski, L;*](http://www.scopus.com/search/submit/author.url?author=Klopotowski%2c+L.&origin=resultslist&authorId=13104757200&src=s)[*Dobrowolski, WD;*](http://www.scopus.com/search/submit/author.url?author=Dobrowolski%2c+W.D.&origin=resultslist&authorId=35742908300&src=s)[*Kossut, J;*](http://www.scopus.com/search/submit/author.url?author=Kossut%2c+J.&origin=resultslist&authorId=35334442500&src=s)[*Čomor, MI*](http://www.scopus.com/search/submit/author.url?author=%c4%8comor%2c+M.I.&origin=resultslist&authorId=35309635800&src=s)

*Photoluminescence of highly doped Cd1-xMnxS nanocrystals*

***JOURNAL OF ALLOYS AND COMPOUNDS, 497 (1-2): 46-51 2010***

1. *Davidson, G; Ebsworth, EAV*

*Vibrational spectra of transition element compounds.*

***Spectroscopic properties of inorganic and organometallic compounds published by the royal society of chemistry, UK, ISBN 0-85404-436-1, 39 : 259 2007***

**8.** Babic-Stojic, B; Milivojevic, D; Comor, MI; **Vodnik, VV**

*EPR study of manganese in Cd1-xMnxS quantum dots ,* **MATERIALS SCIENCE FORUM (PROGRESS IN ADVANCED MATERIALS AND PROCESSES), 453-454: 263-268 2004**

1. *Dehvari, K; Chiu, SH;… & Chang, JY*

*Heteroatom Doped Carbon Dots with Nanoenzyme Like Properties as Theranostic Platforms for Free Radical Scavenging, Imaging, and Chemotherapy,* [***AMI: ACTA BIOMATERIALIA***](AMI:%20ACTA%20BIOMATERIALIA)***, 2020, SSRN: https://ssrn.com/abstract=3527826***

1. [*Da Silva, MIN,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7402847666&zone=)[*Mansur, AAP;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12344547300&zone=)[*Schatkoski, V;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55246847000&zone=)[*Krambrock, KWH;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004185972&zone=)[*González, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7404494259&zone=)[*Mansur, HS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6604098491&zone=)

[*Fluorescent-magnetic nanostructures based on polymer-quantum dots conjugates*](http://www.scopus.com/record/display.url?eid=2-s2.0-84867769199&origin=resultslist&sort=plf-f&cite=2-s2.0-3142662682&src=s&imp=t&sid=9t-WClzPjHHFcLLbfErxwU_%3a570&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***MACROMOLECULAR SYMPOSIA, 319 (1):114-120 2012***

**9.** Romčević, N; Kostić, R; Romčević, M; Grujić-Brojčin, M; Čomor, MI; **Vodnik, VV;** Nedeljković, JM

*Cd1-xMnxS nanoparticles: Far-infrared phonon spectroscopy,* **MATERIALS SCIENCE FORUM (CROSS-DISCIPLINARY APPLIED RESEARCH IN MATERIALS SCIENCE AND TECHNOLOGY), 480-481: 237-241 2005**

1. [*Li, L.-L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8560300000&zone=)*;* [*Wu, S-Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35239028200&zone=)*;* [*Song, B-T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=41262453000&zone=)*;* [*Wang, X-F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35209305200&zone=)

[*Theoretical investigation of the spin Hamiltonian parameters and local structure and their concentration dependences for Cd1-xMn xS quantum dots*](http://www.scopus.com/record/display.url?eid=2-s2.0-82955207181&origin=resultslist&sort=plf-f&cite=2-s2.0-29044446009&src=s&imp=t&sid=CHIk-eqPCSwWdqQHdXEtj_-%3a420&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=),***PHYSICA SCRIPTA,* *84 (6), art. no. 065704 2011***

1. [*Ragam, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=43762342100&zone=)*;* [*Sankar, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7005972081&zone=)*;* [*Ramachandran, K*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35203732500&zone=)

[*Localized vibrational mode in manganese-doped zinc sulphide and cadmium sulphide nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-79960640937&origin=resultslist&sort=plf-f&cite=2-s2.0-29044446009&src=s&imp=t&sid=-RPixJ5PGkEaHWoheaajum9%3a530&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***DEFECT AND DIFFUSION FORUM, 318:11-21 2011***

1. [*Romcevic, M;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+M.&origin=resultslist&authorId=6603196368&src=s)[*Romcevic, N;*](http://www.scopus.com/search/submit/author.url?author=Romcevic%2c+N.&origin=resultslist&authorId=8947786200&src=s)[*Kostic, R;*](http://www.scopus.com/search/submit/author.url?author=Kostic%2c+R.&origin=resultslist&authorId=6602089212&src=s)[*Klopotowski, L;*](http://www.scopus.com/search/submit/author.url?author=Klopotowski%2c+L.&origin=resultslist&authorId=13104757200&src=s)[*Dobrowolski, WD;*](http://www.scopus.com/search/submit/author.url?author=Dobrowolski%2c+W.D.&origin=resultslist&authorId=35742908300&src=s)[*Kossut, J;*](http://www.scopus.com/search/submit/author.url?author=Kossut%2c+J.&origin=resultslist&authorId=35334442500&src=s)[*Čomor, MI*](http://www.scopus.com/search/submit/author.url?author=%c4%8comor%2c+M.I.&origin=resultslist&authorId=35309635800&src=s)

*Photoluminescence of highly doped Cd1-xMnxS nanocrystals*

***JOURNAL OF ALLOYS AND COMPOUNDS, 497 (1-2): 46-51 2010***

1. [*Wesselinowa, JM;*](http://www.scopus.com/search/submit/author.url?author=Wesselinowa%2c+J.M.&origin=resultslist&authorId=7006803627&src=s)[*Apostolova, I*](http://www.scopus.com/search/submit/author.url?author=Apostolova%2c+I.&origin=resultslist&authorId=16425212400&src=s)

*Theoretical study of phonon spectra in ferromagnetic nanoparticles*

***PHYSICS LETTERS, SECTION A: GENERAL, ATOMIC AND SOLID STATE PHYSICS, 372 (3): 305-311 2008***

1. *Romcevic, N; Kostic, R; Romcevic, M; Comor, MI; Nedeljkovic, JM*

*Raman spectroscopy of Cd1-xMnxS quantum dots* ***JOURNAL OF PHYSICS D-APPLIED PHYSICS, 38 (24): 4321-4324 2005***

**10.** [**Vodnik, VV;**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.V.&origin=resultslist&authorId=6508327780) [Bozanic, DK;](http://www.scopus.com/search/submit/author.url?author=Bozanic+D.K.&origin=resultslist&authorId=16030178500) [Bibic, N;](http://www.scopus.com/search/submit/author.url?author=Bibic+N.&origin=resultslist&authorId=7004112374) [Saponjic, ZV;](http://www.scopus.com/search/submit/author.url?author=Saponjic+Z.V.&origin=resultslist&authorId=6603558005) [Nedeljkovic, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=7003632042)   
*Optical properties of shaped silver nanoparticles*   
**JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, (7) 3511-3515 2008**

1. *Kolhe SG; Chaudhari LM;…& Gavhane KH*

*Green Synthesis of Silver Nanoparticles Using Penicillium Species: pH-Dependent Formation and Catalytic Performance*

***POWER SYSTEM TECHNOLOGY, 48(1): 593-606 2024***

1. *Maršik, D; Thoresen, P;...& Koloushova, P*

*Synthesis and Characterization of Lignin-Silver Nanoparticles,* ***MOLECULES 29(10):2360 2024***

1. *Deepa, G; Balasundaram, ON*

*Green Synthesis Technique for Employing a VitexNegundo Leaf Extract and Implementing Spray Pyrolysis to Characterize Silver Thin Films.****NEUROQUANTOLOGY, 22(3): 207 2024***

1. *Mostafa, YE; Elsebaei, F;Metwally, MES*

*Bio-inspired one-pot synthesis of luminescent silver nanoparticles and its significant utility as a fluorescence nano sensor for analysis of two adjunctive COVID-19 drugs,* ***BMC CHEMISTRY, 2024,DOI: 10.1186/s13065-024-01335-8***

1. *Danai, L; Rolband, LA;...&Afonin, KA*

*Optical, structural and antibacterial properties of silver nanoparticles and DNA-templated silver nanoclusters*

***NANOMEDICINE, 2023, https://doi.org/10.2217/nnm-2023-0082***

1. *Kuzharov, AA; Milov, AA;...&Soldatov, AV*

*Effect of a stabilizer on the structure, synthesis, and tribological properties of silver nanoparticles*

***JOURNAL OF ENGINEERING TRIBOLOGY 1994-1996 (vols 208-210) 2023, DOI: 10.1177/13506501221121923***

1. *Mostafa, YE; Elsebaei, F; Metwally, MES*

*Exploring Fluorescence of Metal Nanoparticles for Effective Utility in Drug Sensing: Promising ''On-off '' Fluorescence Probe for Analysis of Cephalosporins is Fabricated,* ***SPECTROCHIMICA ACTA PART A, 303: 123184 2023***

1. *Zvereva, MV; Aleksandrova, GP*

*Application Potential of Natural Polysaccharides for the Synthesis of Biologically Active Nanobiocomposites (A Review)*

***RUSSIAN JOURNAL OF GENERAL CHEMISTRY 93(1):347-370 2023***

1. *Foroutan, S; Shabani, F;... & Demir, HV*

*All-Colloidal Parity-Time-Symmetric Microfiber Lasers Balanced Between the Gain of Colloidal Quantum Wells and the Loss of Colloidal Metal Nanoparticles.* ***NANOSCALE, 2022, https://doi.org/10.1039/D2NR02146C***

1. *Vurgaft, A; Strassberg, R;...& Bekenstein, Y*

*Inverse size-dependent Stokes shift in strongly quantum confined CsPbBr 3 perovskite nanoplates*

***NANOSCALE, 2022, DOI: 10.1039/D2NR03275A***

1. *Atalay, Y*

*Effect of shape and size on the plasmon resonance peak of gold nanoparticles*

***Doctoral dissertation, 2022, http://ir.bdu.edu.et/handle/123456789/14969***

1. *Samir, A; El-salam,HMA;...&Mohamed, T*

*The effects of different parameters and interaction angles of a 532 nm pulsed Nd: YAG laser on the properties of laser-ablated silver nanoparticles,* ***OPTICS COMMUNICATIONS, 2021, DOI: 10.1016/j.optcom.2021.127366***

1. *Ehnert, R*

*Synthese von Gold (I)-Dithioharnstoff-Methansulfonat und dessen Anwendungsmöglichkeiten.* ***Dissertation, Technische Universität Chemnitz, Chemnitz, 2021, https://nbn-resolving.org/urn:nbn:de:bsz:ch1-qucosa2-741077***

1. *Kossmann, A; Ehnert, R; ....& Lang, H*

*The di(thiourea)gold(I) complex [Au{S=C(NH2)2}2][SO3Me] as a precursor for the convenient preparation of gold nanoparticles,****ZEITSCHRIFT FUR NATURFORSCHUNG B, 2020, DOI: 10.1515/znb-2019-0213***

1. *Ghafoor, DA; Saod, WM;Mohammed, N*

*Green Synthesis of Gold Nanoparticles using Pineapple Extract and Study their Analytical Characterization and Antibacterial Activity,****SYSTEMATIC REVIEWS IN PHARMACY, 11(2): 462 -465 2020, DOI: 10.5530/srp.2020.2.70***

1. *Pham, TBN, Bui, TTT;...&Tran, KC*

*Surface-enhanced Raman scattering (SERS) performance on salbutamol detection of colloidal multi-shaped silver nanoparticles,****APPLIED NANOSCIENCE 10(3):703-714 2020***

1. *Kuzman, S; Periša, J;...&Dramićanin, MD*

*Surface Plasmon Enhancement of Eu 3+ Emission Intensity in LaPO 4 /Ag Nanoparticles*

***MATERIALS 13(3071):3071 2020, DOI: 10.3390/ma13143071***

1. *Oprica, L; Andries, M;...&Balasoiu, M*

*Citrate-silver nanoparticles and their impact on some environmental beneficial fungi*

***SAUDI JOURNAL OF BIOLOGICAL SCIENCES, 2020, https://doi.org/10.1016/j.sjbs.2020.09.004***

1. *Ramya, J; Ravi, S; Suresh, G*

*Green Synthesis Method for Applying a Vitex Negundo Leaf Extract with Characterization of Silver Thin Films Organized Through Spray Pyrolysis,* ***International Journal of Innovative Technology and Exploring Engineering, 9(3):160-166 2020***

1. *Hindawi, AMA; Joudah, I;....& Tarek, Z*

*Plant extract: safe way for fabrication silver nanoparticles,* ***IOP CONFERENCE SERIES MATERIALS SCIENCE AND ENGINEERING, 571:012069 n2019 DOI: 10.1088/1757-899X/571/1/012069***

1. *Gutiérrez,TJ; Seligra, PG; Jaramillo, CM; Famá, L; Goyanes, S*

*Effect of Filler Properties on the Antioxidant Response of Thermoplastic Starch Composites*

***In book: Handbook of Composites from Renewable Materials, Volume 1, Structure and Chemistry, Chapter: 14, Publisher: WILEY-Scrivener Publisher, pp.337-370 2017***

1. *Foroutan, S; Rostami, G;Dolatyari, M; Rostami, A*

*All-Optical switching in metal nanoparticles plasmonic waveguide using EIT phenomenon*

***OPTIK – INTERNATIONAL JOURNAL FOR LIGHT AND ELECTRON OPTICS,132:291-298 2017***

1. *Henry, J; Ajaypraveenkumar, A; Sivakumar, G; Mohanraj, K*

*A new approach for deposition of silver film from AgCl through successive ionic layer adsorption and reaction technique. ,****JOURNAL OF CENTRAL SOUTH UNIVERSITY, 24(12), 2793-2798 2017***

1. *Karimova, N*

*Theoretical study of the optical properties of the noble metal nanoparticles: CD and MCD spectroscopy*

***Doctoral dissertation, Kansas State University, 2017, http://krex.k-state.edu/dspace/handle/2097/38177***

1. *Leong, DT*

*Nanosafety Issues of Nanomaterials.*

***Chapter In Comprehensive Biomaterials II Edition: Second Edition, Elsevier, 152-162 2017***

1. *Zia, F; Ghafoor, N; Iqbal, M;Mehboob, S*

*Green synthesis and characterization of silver nanoparticles using Cydonia oblong seed extract.*

***APPLIED NANOSCIENCE, 2016,***  ***DOI:10.1007/s13204-016-0517-z***

1. *Gric, T; Cada, M; Pistora, J*

*Hyperbolic Metamaterial Interface: Propagation of Surface Waves.*

***GLOBAL JOURNAL OF RESEARCHES IN ENGINEERING, 16 No 2-J 2016, http://www.engineeringresearch.org/index.php/GJRE/article/view/1449***

1. *Gric, T; Cada, M; Pistora, J*

*Propagation of surface waves formed at the interface between hyperbolic metamaterial and highly doped semiconductor. ,****OPTICAL AND QUANTUM ELECTRONICS, 48(4): 237 2016***

1. *Henry, J; Mohanraj, K; Sivakumar, G*

*Influence of Cissus quadrangularis Stabilized AgNPs and Its Structural, Optical, Antibacterial Analysis: A Comparative Study*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 26 (2):312-319 2016***

1. *Nayak, JK; Parhi, P; Jha, R*

*Experimental and theoretical studies on localized surface plasmon resonance based fiber optic sensor using graphene oxide coated silver nanoparticles.* ***JOURNAL OF PHYSICS D: APPLIED PHYSICS, 49(28): 285101 2016***

1. *Hamzah, M; Khenfouch, M; Srinivasu, VV*

*The quenching of silver nanoparticles photoluminescence by graphene oxide: spectroscopic and morphological investigations*

***JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, 2016, doi: 10.1007/s10854-016-5729-1***

1. *Suica-Bunghez, IR; Fierascu, I;...& Iordache, SM*

*Environmentally friendly photosynthesis of silver-based materials using Cornus mas L. fruits.*

***ENVIRONMENTAL ENGINEERING & MANAGEMENT JOURNAL, 15(9) : p2085-2094 2016***

1. *Altunbek, M; Kuku, G; Culha, M*

*Nanomaterials used in implant technology and their toxicity.****Biomedical Nanomaterials: From Design to Implementation, 4: 221 2016***

1. *Dong, Z; Asbahi, M; Lin, J;…& Yang, JKW*

*Second-Harmonic Generation from Sub-5 nm Gaps by Directed Self-Assembly of Nanoparticles onto Template-Stripped Gold Substrates,****NANO LETTERS, 15 (9):5976-5981 2015***

1. *Azmi, SAM; Sahar, M R; Ghoshal, SK; Arifin, R*

*Modification of structural and physical properties of samarium doped zinc phosphate glasses due to the inclusion of nickel oxide nanoparticles,****JOURNAL OF NON-CRYSTALLINE SOLIDS, 411: 53-58 2015***

1. *Tüzüner, Ş; Demir, M M*

*Dispersion of organophilic Ag nanoparticles in PS-PMMA blends.*

***MATERIALS CHEMISTRY AND PHYSICS, 162: 692 - 699 2015***

1. *Romann, JC; Wei, J; Pileni, MP*

*Computational Matching of Surface Plasmon Resonance: Interactions Between Silver Nanoparticles and Ligands.*

***JOURNAL OF PHYSICAL CHEMISTRY C, 119 (20): 11094–11099 2015***

1. *Ajaypraveenkumar, A; Henry, J; Mohanraj, K; Sivakumar, G; Umamaheswari, S*

*Characterization, Luminescence and Antibacterial Properties of Stable AgNPs Synthesized From AgCl by Precipitation Method.* ***JOURNAL OF MATERIALS SCIENCE******& TECHNOLOGY, 31(11): 1125-1132 2015***

1. *Stasyuk, NY; Gayda, GZ; Serkiz, RJ; Gonchar, MV*

*Cell Imaging with Fluorescent Bi-Metallic Nanoparticles*

***JOURNAL OF ADVANCES IN CHEMISTRY, 11(4): 3499 – 3511 2015***

1. *Kim, Y.;Lee, S; Lee, K; Shim, S; Kim, JY; Lee, HW; Choi, D*

*Self-Assembled Plasmonic Nanoparticles on Vertically Aligned Carbon Nanotube Electrodes via Thermal Evaporation.*

***ACS APPLIED MATERIALS & INTERFACES, 6(22): 20423-20429 2014***

1. *Gasparyan V*

*Preparation and application of various nanoparticles in biology and medicine*

***NANOTECHNOLOGY DEVELOPMENT, 3(1): e2 2013, DOI:*** [***10.4081/nd.2013.e2***](http://dx.doi.org/10.4081/nd.2013.e2)

1. *Dhakal, TR; Mishra, SR; Glenn, Z; Rai, BK*

[*Synergistic effect of pvp and peg on the behavior of silver nanoparticle-polymer composites*](http://www.scopus.com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84865107230&origin=resultslist&sort=plf-f&cite=2-s2.0-55849130401&src=s&imp=t&sid=I70FSKomf6ZrxT356g-yVps%3a550&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 12 (8): 6389-6396 2012***

1. [*Acharya, H;*](http://www.scopus.com/search/submit/author.url?author=Acharya%2c+H.&origin=resultslist&authorId=12752852800&src=s)[*Sung, J;*](http://www.scopus.com/search/submit/author.url?author=Sung%2c+J.&origin=resultslist&authorId=15842562000&src=s)[*Shin, H-i;*](http://www.scopus.com/search/submit/author.url?author=Shin%2c+H.-i.&origin=resultslist&authorId=26028116700&src=s)[*Park, S-Y;*](http://www.scopus.com/search/submit/author.url?author=Park%2c+S.-Y.&origin=resultslist&authorId=8620671000&src=s)[*Min, BG;*](http://www.scopus.com/search/submit/author.url?author=Min%2c+B.G.&origin=resultslist&authorId=16481296600&src=s)[*Park, C*](http://www.scopus.com/search/submit/author.url?author=Park%2c+C.&origin=resultslist&authorId=7408416903&src=s)

*Deposition of silver nanoparticles on single wall carbon nanotubes via a self assembled block copolymer micelles*

***REACTIVE AND FUNCTIONAL POLYMERS, 69 (7): 552-557 2009***

**11.** Radetic, M; [Ilic, V](http://www.scopus.com/search/submit/author.url?author=Ilic+V.&origin=resultslist&authorId=22985080000); [**Vodnik, V**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.&origin=resultslist&authorId=6508327780); [Dimitrijevic, S](http://www.scopus.com/search/submit/author.url?author=Dimitrijevic+S.&origin=resultslist&authorId=26431297900); [Jovancic, P](http://www.scopus.com/search/submit/author.url?author=Jovancic+P.&origin=resultslist&authorId=6602704735); [Saponjic, Z](http://www.scopus.com/search/submit/author.url?author=Saponjic+Z.&origin=resultslist&authorId=6603558005); [Nedeljkovic, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=7003632042)

*Antibacterial effect of silver nanoparticles deposited on corona-treated polyester and polyamide fabrics*

**POLYMERS FOR ADVANCED TECHNOLOGIES, 19 (12) 1816-1821 2008**

1. *Anzabi, RM; Divband, B;...&Rafighi, A*

*Assessment of Physicochemical Properties, Cytotoxicity, Antimicrobial Activity, and Flexural Strength of Self‐Cured Acrylic Resin With Silver Nanoparticles on Delaminated Clay for Removable Appliances****, INTERNATIONAL JOURNAL OF DENTISTRY, 2025, DOI: 10.1155/ijod/7939455***

1. *Al-Etaibi, AM; El-Apasery, MA*

*A Holistic Review of 3-Dimethylamino-1-Arylpropenones Based Disperse Dyes for Dyeing Polyester Fabrics: Synthesis, Characterization, and Antimicrobial Activities,* ***POLYMERS 16(4):453 2024***

1. *Mehmood, S; Akhtar, N;...Yar, M*

*A novel methodology for stabilization of silver nanoparticles on cotton, nylon and cotton/nylon fabrics using chitosan and triethyl orthoformate for enhanced and elongated anti-bacterial performance*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2024, DOI: 10.1016/j.ijbiomac.2024.129256***

1. *Tassw, DF; Birlie, B; Mamaye, T*

*Nanotechnologies past, present and future applications in enhancing functionality of medical textiles: a review.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2024, https://doi.org/10.1080/00405000.2024.2356327***

1. *Hu, Y; Li, Y;... & Yao, W*

*Comfort and functional evaluation of silk/profiled antibacterial polyester fabric.* ***THE JOURNAL OF THE TEXTILE INSTITUTE, 115(5): 813-825 2024***

1. *Su, TL; Chen, TP;... & Liang, J*

*Green in-situ synthesis of silver coated textiles for wide hygiene and healthcare applications.*

***COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 657: 130506 2023***

1. *Tolentino, YM; Romero‐Zúñiga, GY;...& Morones, PG*

*Microwave dielectric heating affects the in‐situ polymerization process of Nylon‐6/Ag‐NPs hybrid polymer nanocomposite*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2023, DOI: 10.1002/app.53793***

1. *Kiwi, J; Rtimi, S*

*Photocatalytic‐Mediated Self‐Cleaning of Natural and Artificial Fibers Under Daylight Irradiation at Ambient Temperature*

***In book: Handbook of Self‐Cleaning Surfaces and Materials, 2023, DOI: 10.1002/9783527690688.ch22***

1. *Petkovska, J; Mladenović, N;...&Jordanov, I*

*Environmentally benign few-bilayer intumescent nanocoating for flame retardant enzyme/plasma modified polyester fabric*

***POLYMER DEGRADATION AND STABILITY, 2023, DOI: 10.1016/j.polymdegradstab.2023.110406***

1. *Sabir, F; Kanwal, H;...&Zeybekler, SE*

*Functionalized nanoparticles-based polymer nanocomposites: synthesis, characterizations, and biodegradability aspects*

***In book: Biodegradable and Biocompatible Polymer Nanocomposites, 2023, DOI: 10.1016/B978-0-323-91696-7.00017-9***

1. *Hu, Y; Li, Y;...&Yao, W.*

*Comfort and functional evaluation of silk/profiled antibacterial polyester fabric*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2023, DOI: 10.1080/00405000.2023.2202122***

1. *Meda, US; Soundarya, VG;...&Bhat, N*

*Nano-engineered textiles: Development and applications,*

***MATERIALS SCIENCE AND ENGINEERING: B, 296: 116636 2023***

1. *Mihajlovski, K.; Stajčić, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver,* ***Chemical Industry, 2023,*** [***https://doi.org/10.2298/HEMIND230113021M***](https://doi.org/10.2298/HEMIND230113021M)

1. *Hemamalimi, T; Gokul, PGK;...&Dev, VRG*

*Silver Nanoparticle-Incorporated Textile Substrate for Antimicrobial Applications*

***In book: Interaction of Nanomaterials With Living Cells, pp. 799-819. Springer Nature Singapore2023***

1. *Gleissner, C, landsiedel, J...& Pham, T*

*Surface Activation of High Performance Polymer Fibers: A Review*

***POLYMER REVIEWS, 2022, DOI: 10.1080/15583724.2022.2025601***

1. *Mihajlovski, K; Stajcic, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver*

***HEMIJSKA INDUSTRIJA, 2023, DOI: 10.2298/HEMIND230113021M***

1. *Sredojević, D; Lazić, V;...& Nedeljković, JM*

*Toxicity of Silver Nanoparticles Supported by Surface-Modified Zirconium Dioxide with Dihydroquercetin*

***NANOMATERIALS 2022, 12(18): 3195 2022***

1. *Vukoje, I; Lazić, V; ...& Nedeljković, J*

*Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 194:461-469 2022***

1. *Radetić, M; Marković, D*

*A review on the role of plasma technology in the nano‐finishing of textile materials with metal and metal oxide nanoparticles*

***PLASMA PROCESSES AND POLYMERS, 2022, DOI: 10.1002/ppap.202100197***

1. *Mohammed, MZ; Hadi, AN*

*Enhancing the Mechanical Behaviour and Antibacterial Activity of Bioepoxy Using Hybrid Nanoparticles for Dental Applications*

***INTERNATIONAL JOURNAL OF BIOMATERIALS 2022, DOI: 10.1155/2022/2124070***

1. *Zhang, D; Li, Xuemei;...&Wang, R*

*Construction of antibacterial fabrics with polymer cationic broccolo‐shaped nanoparticles*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 2022, DOI: 10.1002/PAT.5832***

1. *Su TL; Chen, TP, Liang, JF*

*Green In-Situ Synthesis of Silver Coated Textiles for Wide Hygiene and Healthcare Applications*

***Colloids and Surfaces A Physicochemical and Engineering Aspects, 2022, DOI: 10.1016/j.colsurfa.2022.130506***

1. *Asadi, L; Mokhtari, J; Abbasi, M*

*An alginate–PHMB–AgNPs based wound dressing polyamide nanocomposite with improved antibacterial and hemostatic properties,****JOURNAL OF MATERIALS SCIENCE: MATERIALS IN MEDICINE, 32:7 2021***

1. *Kooshamoghadam, N; Zohoori, S;… & Talebikatieklahijany, R*

*Enhancing Physical Properties of Viscose by Preparing Viscose/Keratin/Nano ZnO Composite Fabric.*

***JOURNAL OF NATURAL FIBERS,2021,*** ***https://doi.org/10.1080/15440478.2020.1870631***

1. *Ahmad, H*

*Celluloses as support materials for antibacterial agents: a review,****CELLULOSE, 2021, DOI: 10.1007/s10570-021-03703-2***

1. *Azizi-lalabadi, M; Garavand, F;Mahdi Jafari, S*

*Incorporation of silver nanoparticles into active antimicrobial nanocomposites: Release behavior, analyzing techniques, applications and safety issues****ADVANCES IN COLLOID AND INTERFACE SCIENCE, 2021, DOI: 10.1016/j.cis.2021.102440***

1. *Aalipourmohammadi, M; Davodiroknabadi, A; Nazari, A*

*Homogeneous coatings of titanium dioxide nanoparticles on corona-treated cotton fabric for enhanced self-cleaning and antibacterial properties.* ***AUTEX RESEARCH JOURNAL, 21(1): 101-107 2021***

1. *Krifa, N; Zouari, R;...&Compagne, C*

*Atmospheric Plasma Technique Assessment for the Development of a Polyfunctional End-use Polyester Fabric*

***FIBERS AND POLYMERS, 2021, DOI: 10.1007/S12221-021-0847-7***

1. *Tyuftin, AA; Kerry, JP*

*Gelatin films: Study review of barrier properties and implications for future studies employing biopolymer films*

***FOOD PACKAGING AND SHELF LIFE, 29(4):100688, 2021, DOI: 10.1016/j.fpsl.2021.100688***

1. *Vrinceanu, N; Coman, D*

*UV Protection: Historical Perspectives and State-of-the-Art Achievements.*

***SUSTAINABLE PRACTICES IN THE TEXTILE INDUSTRY, 167-206 2021***

1. *Fernades, F; Filho, ER; Souza, I; ... & Iqbal, J*

*Novel synthesis of copper oxide on fabric samples by cathodic cage plasma deposition.*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 31(3): 520-526 2020***

1. *Tyuftin, AA; Kerry, JP*

*Review of surface treatment methods for polyamide films for potential application as smart packaging materials: surface structure, antimicrobial and spectral properties.* ***FOOD PACKAGING AND SHELF LIFE, 24, 100475 2020***

1. *Gopalakrishnan, S; Aby Mathew, T;Mozetic, M;...& Kalarikkal, N*

*Development of biocompatible and biofilm-resistant silver-poly(methylmethacrylate) nanocomposites for stomatognathic rehabilitation,* ***INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, 69(3):186-199 2020***

1. *Peran, J; Ercegović Ražić, S*

*Application of atmospheric pressure plasma technology for textile surface modification.*

***TEXTILE RESEARCH JOURNAL, 90(9-10), 1174-1197 2020***

1. *Yuan, M; Teng, Z;...& Wang, G*

*Polymeric carbon nitride modified polyacrylonitrile fabrics with efficient self-cleaning and water disinfection under visible light.****CHEMICAL ENGINEERING JOURNAL, 391, 123506, 2020***

1. *Gubała, D; Harniman, R; Eloi, JC;... & Briscoe, WH*

*Multiscale characterisation of single synthetic fibres: Surface morphology and nanomechanical properties.* ***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 2020, https://doi.org/10.1016/j.jcis.2020.03.051***

1. *Nalankilli, G*

*Cold Plasma Treatment in Wet Chemical Textile Processing.* ***FIBRES & TEXTILES in Eastern Europe, 28(6): 144 2020***

1. *Pachiayappan, KM; Prakash, C; Kumar, V*

*Influence of process variables on antimicrobial properties of cotton knitted fabrics.*

***JOURNAL OF NATURAL FIBERS, 17(3), 313-325 2020***

1. *Lazić, V;Vivod,V;...& Kokol, V*

*Dextran-coated silver nanoparticles for improved barrier and controlled antimicrobial properties of nanocellulose films used in food packaging,****FOOD PACKAGING AND SHELF LIFE, 26: 100575 2020***

1. *Singh, M; Vajpayee, M; Ledwani, L*

*Eco-friendly Surface Modification and Nanofinishing of Textile Polymers to Enhance Functionalisation*

***In book: Nanotechnology for Energy and Environmental Engineering, Springer, 529-559, 2020***

1. *Abbas, R; Al-Balakocy, NG; Khalil, EM; Shalaby, SE*

*Preparation of Nylon-6 Textile Materials for Special Applications Part1: Polymerization of 2-Methacryloxy Ethyl Trimethyl Ammonium Chloride with Nylon-6 Nonwoven Fabric Using K2S2O8 As Initiator.*

***EGYPTIAN JOURNAL OF CHEMISTRY, 63(Special Issue (Part 2) Innovation in Chemistry), 22-23, 2020***

1. *Nourbakhsh, S; Sepehrnia, H;...& Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 111(9): 1269-1276 2020***

1. *Kudzin, MH; Kaczmarek, A; & Olczyk, J*

*Deposition of Copper on Polyester Knitwear Fibers by a Magnetron Sputtering System. Physical Properties and Evaluation of Antimicrobial Response of New Multi-Functional Composite Materials.* ***APPLIED SCIENCES, 10(19): 6990 2020***

1. *Berhanu, B; Lubben, J; Nalankilli, G*

*Cold Plasma Treatment in Wet Chemical Textile Processing*

***FIBRES & TEXTILES IN EASTERN EUROPE, 2020, DOI: 10.5604/01.3001.0014.3807***

1. *Khan, M. Q; Kharaghani, D; ... & Kim, IS*

*Preparation and characterizations of multifunctional PVA/ZnO nanofibers composite membranes for surgical gown application.****JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, 8(1), 1328-1334 2019***

1. *Lazić, V; Mihajlovski, K; Mraković, A; Illés, E.,… & Nedeljković, JM*

*Antimicrobial activity of silver nanoparticles supported by magnetite.****CHEMISTRY SELECT, 4(14), 4018-4024 2019***

1. *Nourbakhsh, S;Sepehrinia , H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles*

***JOURNAL OF THE TEXTILE INSTITUTE, 2019, DOI: 10.1080/00405000.2019.1707346***

1. *Marković, D; Vasiljevic, J; Golja, B;...&Radetić, M*

*Biodegradation of cotton fabric impregnated with TiO2 nanoparticles*

***JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 2019,*** ***DOI: 10.2298/JSC181213004M***

1. *Quartinello, F; Tallian, C; Auer, J; ... & Teuschl, A*

*Smart Textiles in Wound Care: Functionalization of Cotton/PET Blends with Antimicrobial Nanocapsules.* ***JOURNAL OF MATERIALS CHEMISTRY B, 2019, DOI: 10.1039/C9TB01474H***

1. *Vukoje, ID; Džunuzović, E S; Dimitrijević-Branković, S.; Ahrenkiel, S P; Nedeljković, JM*

*Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA- co -EGDMA) polymer,****POLYMER COMPOSITES, 40(7): 2901-2907 2019***

1. *Hasan, KM; Pervez, EMN; ..˛& Talukder ME*

*A Novel Coloration of Polyester Fabric through Green Silver Nanoparticles (G-AgNPs@PET)*

***NANOMATERIALS, 2019, DOI: 10.3390/nano9040569***

1. *Liao, C; Li,Y; Tjong, SC*

*Antibacterial Activities of Aliphatic Polyester Nanocomposites with Silver Nanoparticles and/or Graphene Oxide Sheets,****NANOMATERIALS, 9(8):1102 2019 DOI: 10.3390/nano9081102***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Radetić, M; Marković, D*

*Nano-finishing of cellulose textile materials with copper and copper oxide nanoparticles*

***CELLULOSE, 2019, DOI: 10.1007/s10570-019-02714-4***

1. *Cruz-Romero, MC; Azlin-Hasim, S; Morri, MA;,* *Kerry, JP*

*Application of Nanotechnology in Antimicrobial Active Food Packaging*

***Chapter in******Food Applications of Nanotechnology, 2019, ISBN 9780815383819 - CAT# K336493***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Widodo, M; Nuhiyah, S; Umam, K; Muchlisin, Z; Nur, M*

*Penyempurnaan tahan api dan antibakteri pada kain kapas dengan n-metilol dimetilfosfonopropionamida (pyrovatex cp new) dan kitosan menggunakan plasma lucutan korona.****ARENA TEKSTIL, 34(2) 2019, DOI: http://dx.doi.org/10.31266/at.v34i2.5709***

1. *Widodo, M; Nuhiyah, S...&Nur, M*

*Flame retardant and antibacterial finishing of cotton fabric by n-methylol dimethylphosphonopropionamide (pyrovatex cp new) and chitosan using corona discharge plasma* ***ARENA TEKSTIL, 34(2) : 65-74 2019, DOI: 10.31266/at.v34i2.5709***

1. *Davidović, SZ*

*Primena dekstrana iz bakterija mlečne kiseline za sintezu nanočestica srebra i proizvodnju jestivih filmova*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2019***

1. *Aalipourmohammadi, M; Davodiroknabadi, A; Nazari, A*

*Homogeneous Coatings of Titanium Dioxide Nanoparticles on Corona-Treated Cotton Fabric for Enhanced Self-Cleaning and Antibacterial Properties,****AUTEX RESEARCH JOURNAL, p.1-7, 2019, DOI: 10.2478/aut-2019-0058***

1. *Fernades, F; Rocha, E; De Souza, I; ...&Almeida, E*

*Novel synthesis of copper oxide on fabric samples by cathodic cage plasma deposition*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 2019, DOI: 10.1002/pat.4792***

1. *Peran, J; Ražić, SE*

*Application of atmospheric pressure plasma technology for textile surface modification*

***TEXTILE RESEARCH JOURNAL, 2019, DOI:10.1177/0040517519883954***

1. *Miljković, M;Lazić, V;...˛&Nedeljković, JM*

*Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against E. coli*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2019, DOI:10.1007/s10904-019-01402-x***

1. *Radetić, M; Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***IN TOXICITY AND BIODEGRADATION TESTING, HUMANA PRESS, NY, pp. 281-296 2018***

1. *Joshi, M; Roy, A.*

*Antimicrobial Textiles Based on Metal and Metal Oxide Nano‐particles.****Chaper In: NANOMATERIALS IN THE WET PROCESSING OF TEXTILES, 71-111, 2018, DOI: 10.1002/9781119459804.ch2***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Matharu, RK; Ciric, L; Edirisinghe, M*

*Nanocomposites: suitable alternatives as antimicrobial agents. ,****NANOTECHNOLOGY, 29(28), p.282001 2018***

1. *Pachiayappan, KM; Prakash, C; Kumar, V*

*Influence of process variables on antimicrobial properties of cotton knitted fabrics.*

***JOURNAL OF NATURAL FIBERS, 2018, https://doi.org/10.1080/15440478.2018.1492487***

1. *Gokarneshan, N; Velumani, K*

*Significant Trends in Nano Finishes for Improvement of Functional Properties of Fabrics.*

***Handbook of Renewable Materials for Coloration and Finishing,*** ***John Wiley & Sons, 387, 2018***

1. *Kratochvíl, J;* [*Kuzminova*](https://www.researchgate.net/scientific-contributions/2139174038_Anna_Kuzminova)*, A;* *Kylián,O*

*State-of-the-Art, and Perspectives of, Silver/Plasma Polymer Antibacterial Nanocomposites*

***ANTIBIOTICS, 2018, DOI: 10.3390/antibiotics7030078***

1. *Nourbakhsh, S*

*Antimicrobial Performance of Plasma Corona Modified Cotton Treated with Silver Nitrate*

***RUSSIAN JOURNAL OF APPLIED CHEMISTRY 91(8):1338-1344 2018***

1. *Khan, MQ; Kharaghani, D; Nishat, N; Shahzad, A; Hussain, T; Khatri, Z., .. & Kim, IS*

*Preparation and characterizations of multifunctional PVA/ZnO nanofibers composite membranes for surgical gown application.*

***JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, 2018, https://doi.org/10.1016/j.jmrt.2018.08.013***

1. *Ribeiro, AI; Senturk, D; Silva, KS;....& Zille, A*

*Efficient silver nanoparticles deposition method on DBD plasma-treated polyamide 6,6 for antimicrobial textiles*

***IOP Conf. Series: Materials Science and Engineering460 (2018) 012007, p.1-8 , doi:10.1088/1757-899X/460/1/012007***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Radetić, T; Radetić, M*

*Biodegradation of cotton and cotton/polyester fabrics impregnated with Ag/TiO 2 nanoparticles in soil.*

***CARBOHYDRATE POLYMERS, 158 77-84 2017***

1. *Hashemizad, S; Montazer, M; Mireshghi, SS*

*Sonoloading of nano-TiO2 on sono-alkali hydrolyzed polyester fabric.*

***THE JOURNAL OF THE TEXTILE INSTITUTE,108(1): 117-122 2017***

1. *Lazić, V; Smičiklas, I; Marković, J; Lončarević, D; Dostanić, J; Ahrenkiel, SP; Nedeljković, J M*

*Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid.*

***VACUUM, 2017, https://doi.org/10.1016/j.vacuum.2017.10.039***

1. *Ribeiro, AI; Modic, M; Cvelbar, U; Dinescu, G; Mitu, B; Nikiforov, A., ... &  Heyse, P*

*Double dielectric barrier (DBD) plasma-assisted deposition of chemical stabilized nanoparticles on polyamide 6, 6 and polyester fabrics.****MATERIALS SCIENCE AND ENGINEERING, IOP PUBLISHING 254(10): p. 102010, 2017***

1. *Merdan, N; Eyupoglu, S; Duman, MN*

*Ecological and Sustainable Natural Dyes.* ***Chapter In Textiles and Clothing Sustainability,******Springer Singapore,*  *pp. 1-41, 2017, DOI: 10.1007/978-981-10-2185-5\_1***

1. *S Nikolić, V Lazić, Đ Veljović, L Mojović*

*Production of bioethanol from pre-treated cotton fabrics and waste cotton materials*

***CARBOHYDRATE POLYMERS, 164: 136-144 2017***

1. *Ivanova, TV; Krumpolec, R; Homola,T; Musin, E; Baier, G;**Landfester, K;Cameron,DC;Černák, M*

[*Ambient air plasma pre‐treatment of non‐woven fabrics for deposition of antibacterial poly (l‐lactide) nanoparticles*](http://scholar.google.com/scholar_url?url=http://onlinelibrary.wiley.com/doi/10.1002/ppap.201600231/full&hl=sr&sa=X&scisig=AAGBfm2abqBUoiOFKWVXNJ_6qu1rSnm-Qw&nossl=1&oi=scholaralrt)

***PLASMA PROCESSES AND POLYMERS, 2017, DOI: 10.1002/ppap.201600231***

1. [*Pourzahedi*](http://pubs.acs.org/author/Pourzahedi%2C+Leila)*, L;*[*Vance*](http://pubs.acs.org/author/Vance%2C+Marina+Eller)*, ME;*[*Eckelman*](http://pubs.acs.org/author/Eckelman%2C+Matthew+J)*, MJ*

*Life Cycle Assessment and Release Studies for 15 Nanosilver-enabled Consumer Products: Investigating Hotspots and Patterns of Contribution,****ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2017, DOI: 10.1021/acs.est.6b05923***

1. *Ivanova, TV; Krumpolec, R; Homola, T; Musin, E; Baier, G; Landfester, K; Cameron, DC;Černák, M*

*Ambient air plasma pre-treatment of non-woven fabrics for deposition of antibacterial poly (L-lactide) nanoparticles*

***PLASMA PROCESEES AND POLYMERS, 2017,* *DOI: 10.1002/ppap.201600231***

1. *Aksit, A; Onar Camlibel, N; Topel Zeren, E;Kutlu, B*

*Development of antibacterial fabrics by treatment with Ag-doped TiO2 nanoparticles.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2017,* *http://dx.doi.org/10.1080/00405000.2017.1311766***

1. *España-Sánchez, BL; Rodríguez-González, JA…&; Padilla-Vaca,F*

*Nanocomposites based on Polypropylene and Copper Nanoparticles: Preparation, Surface Activation by Plasma and Antibacterial Activity,****ACTA UNIVERSITARIA, 2017, DOI: http://dx.doi.org/10.15174/au.2014.526***

1. *Merdan, N; Eyupoglu, S; Duman, MN*

*Ecological and Sustainable Natural Dyes.* ***Chapter in In Textiles and Clothing Sustainability, Springer Singapore, pp. 1-41, 2017***

1. *Al-Balakocy, NG; Shalaby S E*

*Imparting Antimicrobial Properties to Polyester and Polyamide Fibers-State of the Art*

***JOURNAL OF THE TEXTILE ASSOCIATION, 179-201 2017, https://www.researchgate.net/publication/323113527***

1. *Palaskar, SS; Desai, AN; Shukla, SR*

*Development of multifunctional cotton fabric using atmospheric pressure plasma and nano-finishing.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 107(3): 405-412 2016***

1. *Simončič, B; Klemenčič, D*

*Preparation and performance of silver as an antimicrobial agent for textiles: A review*

***TEXTILE RESEARCH JOURNAL, 86 (2): 210-223 2016***

1. *Gao, L; Lu, Y; Li, J; Sun, Q*

*Superhydrophobic conductive wood with oil repellency obtained by coating with silver nanoparticles modified by fluoroalkyl silane,****HOLZFORSCHUNG, 70 (1): 63-68 2016***

1. *Erdem, R; Rajendran, S*

*Influence of Silver Loaded Antibacterial Agent on Knitted and Nonwoven Fabrics and Some Fabric Properties.*

***JOURNAL OF ENGINEERED FABRICS & FIBERS (JEFF), 11(1):38-46 2016***

1. *Ramadan, AM; Gawish, SM*

*Polyamide and Polypropylene Fabrics: Antimicrobial Treatments,****Chapter in : Encyclopedia of Biomedical Polymers and Polymeric Biomaterials, Taylor & Francis, 2016,* *DOI: 10.1081/E-EBPP-120049982***

1. *Islam, SU; Butola, BS; Mohammad, F*

*Silver Nanomaterials as Future Colorants and Potential Antimicrobial Agents for Natural and Synthetic Textile Materials.* ***RSC ADVANCES, 6: 44232-44247 2016***

1. *Palaskar, SS; Desai, A N; Shukla, SR*

*Plasma induced nano-finish for multifunctional properties on cotton fabric.*

***INDIAN JOURNAL OF FIBRE &TEXTILE RESEARCH, 41: 325-330******2016***

1. *Stepczyńska, M;Twarużek, M*

*Niektóre problemy sterylizacji i modyfikowania radiacyjnego materiałów biodegradowalnych (Some problems of radiation sterilization and modify biodegradable materials),****Przetwórstwo Tworzyw, 22(1): 16-22 2016***

1. *Ren, X; Liang, J*

*Smart anti-microbial composite coatings for textiles and plastics.*

***Smart Composite Coatings and Membranes, pp. 235-259, 2016***

1. *Janković Častvan, IM*

*Svojstva nanostrukturnih kompozitnih materijala na bazi sepiolita i primena u industriji papira*

***Doctoral dissertation, Univerzitet u Beogradu, TMF, 2016, http://uvidok.rcub.bg.ac.rs/handle/123456789/1397***

1. *Maheshwari, N*

*Silver Nanowire Coatings For Electrically Conductive Textiles*

***MASc thesis, University of Waterloo, Canada, 2016,*** [***http://hdl.handle.net/10012/10868***](http://hdl.handle.net/10012/10868)

1. *Alihosseini, F*

*Plant-based compounds for antimicrobial textiles,****Antimicrobial Textiles, A volume in Woodhead Publishing Series in Textiles, ISBN: 978-0-08-100576-7, 155-195 2016***

1. *Mahmud, S*

*Green synthesis of sodium alginate based silver nanoparticle and their textile application (Chapter-4)*

***Master Thesis, Chinese Academy of Sciences, 2020, https://www.researchgate.net/publication/344129198***

1. *Patel, BH; Channiwala, MZ; Chaudhari, SB; Mandot, AA*

*Green Synthesis of Silver Nano-Sols by Leaf Extract of Ocimum sanctum and Their Efficacy Against Human Pathogenic Bacterium.* ***JOURNAL OF GREEN SCIENCE AND TECHNOLOGY, 2(1): 39-44 2015***

1. *Zille, A; Oliveira, FR; Souto, AP*

*Plasma Treatment in Textile Industry.* ***PLASMA PROCESS AND POLYMERS, 12 (2): 98-131 2015***

1. *Rivero, PJ; Urrutia, A; Goicoechea, J; Arregui, FJ*

*Nanomaterials for Functional Textiles and Fibers****NANOSCALE RESEARCH LETTERS, 10(1): 1-22 2015***

1. *Ghaffari, T; Hamedi-rad, F*

*Effect of Silver Nano-particles on Tensile Strength of Acrylic Resins.*

***JOURNAL OF DENTAL RESEARCH, DENTAL CLINICS, DENTAL PROSPECTS, 9(1) :40-43 2015***

1. *Davidović, S; Miljković, M; Lazić, V; Jović, D; Jokić, B; Dimitrijević, S; Radetić, M*

*Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species Leuconostoc mesenteroides T3.* ***CARBOHYDRATE POLYMER, 131: 331–336 2015***

1. *Emam, HE; El-Rafie; MH; Ahmed, HB; Zahran, MK*

*Room temperature synthesis of metallic nanosilver using acacia to impart durable biocidal effect on cotton fabrics.*

***FIBERS AND POLYMERS, 16(8):1676-1687 2015***

1. *Rode, C; Zieger, M; Wyrwa, R; Thein, S; Wiegand, C; Weiser, ML;Wehner, D; Hipler, UC*

*Antibacterial Zinc Oxide Nanoparticle Coating of Polyester Fabrics.*

***JOURNAL OF TEXTILE SCIENCE AND TECHNOLOGY, 1(2): 65-74 2015***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO2/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Gutarowska, B; Stawski, D; Skóra, J;Herczyńska, L; Pielech-Przybylska, K; Połowiński, S; Krucińska, I.*

*PLA nonwovens modified with poly(dimethylaminoethyl methacrylate) as antimicrobial filter materials for workplaces*

***TEXTILE RESEARCH JOURNAL, 85 (10): 1083-1094 2015***

1. *Pupkevičiūtė, S; Adomavičiūtė, E; Pavilonis, A; Stanys, S; Prosyčevas, I*

*Formation and Antibacterial Property Analysis of Electrospun PVA Nonwoven Material with a Small Amount of Silver Nanoparticles.* ***FIBRES & TEXTILES IN EASTERN EUROPE, 23, 6(114): 48-54 2015***

1. *Makvandi, P; Nikfarjam, N; Sanjani, N S; Qazvini, NT*

*Effect of silver nanoparticle on the properties of poly (methyl methacrylate) nanocomposite network made by in situ photoiniferter-mediated photopolymerization.* ***BULLETIN OF MATERIALS SCIENCE, 1-7.2015 DOI:10.1007/s12034-015-0959-z****,****http://link.springer.com/article/10.1007/s12034-015-0959-z***

1. *Yu, D; Kang, G; Tian, W; Lin, L; Wang, W*

*Preparation of conductive silk fabric with antibacterial properties by electroless silver plating.*

***APPLIED SURFACE SCIENCE, 357: 1157-1162 2015***

1. *Vukoje, ID; Džunuzović, E S; Lončarević, DR; Dimitrijević, S.; Ahrenkiel, S P; Nedeljković, JM*

*Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly (GMA‐co‐EGDMA) polymer support. ,****POLYMER COMPOSITES, 2015, DOI: 10.1002/pc.23684***

1. *Bonnefond, A; González, E; Asua, JM; Leiza, JR; Kiwi, J; Pulgarin, C; Rtimi, S*

*New evidence for hybrid acrylic/TiO 2 films inducing bacterial inactivation under low intensity simulated sunlight light.* ***COLLOIDS AND SURFACE B: BIOINTERFACES, 135: 1-7 2015***

1. *Zille, A; Fernandes, MM; Francesko, A;...& Souto, AP*

*Size and Aging Effects on Antimicrobial Efficiency of Silver Nanoparticles Coated on Polyamide Fabrics Activated by Atmospheric DBD Plasma.* ***ACS APPLIED MATERIALS & INTERFACES, 7 (25): 13731-13744 2015***

1. *Scholtz, V; Pazlarová, J; Soušková, H; Khun, J; Julák, J*

*Nonthermal plasma—A tool for decontamination and disinfection,****BIOTECHNOLOGY ADVANCES,*** ***33 (6):1108-1119 2015***

***Open Access***

1. *Cools, P; Morent, R; Geyter, ND*

*Plasma Modified Textiles for Biomedical Applications,Chapter 5 in: Advances in Bioengineering*

***InTech book edited by Pier Andrea Serra, ISBN 978-953-51-2141-1, 2015, DOI: 10.5772/59770***

***http://www.intechopen.com/books/advances-in-bioengineering/plasma-modified-textiles-for-biomedical-applications***

1. *Ramadan, AM; Gawish, SM*

*Polyamide and Polypropylene Fabrics: Antimicrobial Treatments*

***Chapter in: Encyclopedia of Biomedical Polymers and Polymeric Biomaterials, Edited by Munmaya Mishra, CRC Press 2015, Print ISBN: 978-1-4398-9879-6, eBook ISBN: 978-1-4665-0179-9***

1. *Haji, A; Mousavi Shoushtari, A; Mirafshar, M*

*Natural dyeing and antibacterial activity of atmospheric‐plasma‐treated nylon 6 fabric*

***COLORATION TECHNOLOGY, 130(1): 37-42 2014***

1. *Shin, YS; Park, M; Kim, H Y; Jin, F L;Park, S J*

*Synthesis of Silver-doped Silica-complex Nanoparticles for Antibacterial Materials.*

***BULLETIN OF KOREAN CHEMICAL SOCIETY, 35(10): 2979-2984 2014***

1. *Vukoje, ID; Tomašević-Ilić, TD;...& Nedeljković, JM*

*Silver film on nanocrystalline TiO2 support: Photocatalytic and antimicrobial ability*

***MATERIALS RESEARCH BULLETIN, 60: 824-829 2014***

1. *España-Sánchez, BL; Rodríguez-González, JA; González-Morones, P; Neira-Velázquez, MG; Franco-Bárcenas, B; Anaya-Velázquez, F; Mendoza-Macías,CL; Ávila-Orta, CA; Padilla-Vaca, F*

*Nanocomposites based on Polypropylene and Copper Nanoparticles: Preparation, Surface Activation by Plasma and Antibacterial Activity,****ACTA UNIVERSITARIA, 24(3): 13-24 2014, DOI:*** [***http://dx.doi.org/10.15174/au.2014.526***](http://dx.doi.org/10.15174/au.2014.526)

1. *Chattopadhyay, DP; Patel, BH*

*Nano metal particles: Synthesis, characterization and application to textiles*

***MANUFACTURING NANOSTRUKTURE, ISBN (eBook): 9781910086070, One Central Press, UK, 184-215 2014***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. *Milošević, M; Radoičić, M; Šaponjić, Z; Nunney, T; Deeks, C; Lazić, V; Mitrić, M; Radetić, T; Radetić, M*

*In situ photoreduction of Ag+-ions by TiO2 nanoparticles deposited on cotton and cotton/PET fabrics*

***CELLULOSE, 21(5); 3781-3795 2014.***

1. *Rtimi, S; Sanjines, R; Andrzejczuk, M; Pulgarin, C; Kulik, A; Kiwi, J*

*Innovative transparent non-scattering TiO2 bactericide thin films inducing increased E. coli cell wall fluidity*

***SURFACE AND COATINGS TECHNOLOGY,*** [***254***](http://www.sciencedirect.com/science/journal/02578972/254/supp/C)***: 333–343 2014***

1. *España‐Sanchez, BL; Avila‐Orta, CA; Padilla‐Vaca, F; Neira‐Velazquez, MG; Gonzalez‐Morones, P; Rodrıguez‐Gonzalez, J A; Hernandez-Hernandez, E; Rangel-Serrano, A; Barriga-C, ED; Yate, L; Ziolo, RF*

*Enhanced Antibacterial Activity of**Melt Processed Polypropylene Ag and Cu Nanocomposites by Argon Plasma Treatment,* ***PLASMA PROCESS AND POLYMERS, 11(4):353-365 2014***

1. *Stepczyńska, M*

*Research of biocidal effect of corona discharges on poly (lactic acid) packaging films*

***JOURNAL OF FOOD INGINEERING, 126:56-61 2014***

1. *Radić, N*

*Atmospheric Pressure Plasma Activation and* *Nano-Modification of Polypropylene Nonwoven Fabrics.*

***Masaryk University, Faculty of science, Brno, Dissertation, 2014****.* *http://is.muni.cz/th/320373/prif\_d/RadicN.pdf*

1. [*Gashti, MP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25027474600&zone=)*;* [*Assefipour, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36197899900&zone=)*;* [*Kiumarsi, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16039648200&zone=)*;* [*Gashti, MP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55500017200&zone=)

[*Enzymatic surface hydrolysis of polyamide 6,6 with mixtures of proteolytic and lipolytic enzymes*](http://www.scopus.com/record/display.url?eid=2-s2.0-84881330835&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a450&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***PREPARATIVE BIOCHEMISTRY AND BIOTECHNOLOGY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=14249&origin=resultslist)  ***43 (8): 798-814 2013***

1. *Gashti, MP; Assefipour, R; Almasian, A*

*Effect of Enzymatic Hydrolysis of Polyamide 6, 6 with Mixtures of Proteolytic and Lipolytic Enzymes on Dyeability*

***JOURNAL OF COLOR SCIENCE AND TECHNOLOGY, 1415:26-4 2013***

1. *Klemenčič, D; Tomšič, B; Kovač, F; Žerjav, M; Simončič, A; Simončič, B*

*Antimicrobial wool, polyester and a wool/polyester blend created by silver particles embedded in a silica matrix*

***COLLOIDS AND SURFACE B: BIOINTERFACES, 111: 517 – 522 2013***

1. *Zhang, Y; Lee, MW;..&Yarin, AL*

*Antibacterial activity of photocatalytic electrospun titania nanofiber mats and solution-blown soy protein nanofiber mats decorated with silver nanoparticles. ,****CATALYSIS COMMUNICATIONS, 34:35-40 2013***

1. *Kiwi, J; Pulgarin, C*

*Self-Cleaning Textiles Modified by TiO2 and Bactericide Textiles Modified by Ag and Cu*

***SELF-CLEANING MATERIALS AND SURFACES: A NANOTECHNOLOGY APPROACH, First Edition, Published by John Wiley & Sons, Ltd.,*** ***doi: 10.1002/9781118652336.ch7,***  ***203-227 2013***

1. *Radetić, M*

*Functionalization of textile materials with TiO2 nanoparticles,****JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLIGY C: PHOTOCHEMISTRY REVIEWS, 16 : 62 - 76 2013***

1. [*Milošević, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756627700&zone=)[*Radoičić, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23052093100&zone=)[*Šaponjić, Z;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603558005&zone=)[*Nunney, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506816852&zone=)[*Marković, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756811800&zone=)[*Nedeljković, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)[*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*In situ generation of Ag nanoparticles on polyester fabrics by photoreduction using TiO2 nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878633521&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a430&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***JOURNAL OF MATERIALS SCIENCE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=21162&origin=resultslist)  ***48 (16): 5447-5455 2013***

1. [*Stepczynska, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26039588600&zone=)[*Walczak, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55788957100&zone=)[*Zenkiewicz, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55788109100&zone=)

[*Wplyw wyladowan koronowych na Smierteiność niektórych szczepów bakterii | [Effect of corona treatment on the mortality rate of bacterial strains]*](http://www.scopus.com/record/display.url?eid=2-s2.0-84879933227&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=768C5E9F34FFCDC634CF093008E53872.aqHV0EoE4xlIF3hgVWgA%3a150&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)*,****PRZEMYSL CHEMICZNY, 92 (5): 710-714 2013***

1. [*Cerkez, I;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35621664800&zone=)[*Worley, SD*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006706487&zone=)*;* [*Broughton, RM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35610627600&zone=)[*Huang, TS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55521559000&zone=)

[*Antimicrobial coatings for polyester and polyester/cotton blends*](http://www.scopus.com/record/display.url?eid=2-s2.0-84876951745&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=41754B9CC1FD241F102D981DE527D3E2.FZg2ODcJC9ArCe8WOZPvA%3a430&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***PROGRESS IN ORGANIC COATINGS, 76 (7-8):1082-1087 2013***

1. [*Vu, NK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55622491500&zone=)[*Zille, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7801341189&zone=)[*Oliveira, FR;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35181742400&zone=)[*Carneiro, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14049991500&zone=)[*Souto, AP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004255232&zone=)

*Effect of particle size on silver nanoparticle deposition onto dielectric barrier discharge (DBD) plasma functionalized polyamide fabric,* ***PLASMA PROCESSES AND POLYMERS, 10 (3):285-296 2013***

1. [*Baghriche, O;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14035266200&zone=)[*Rtimi, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55232356100&zone=)[*Pulgarin, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003738234&zone=)[*Roussel, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55484504400&zone=)[*Kiwi, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004291855&zone=)

[*RF-plasma pretreatment of surfaces leading to TiO 2 coatings with improved optical absorption and OH-radical production*](http://www.scopus.com/record/display.url?eid=2-s2.0-84869106943&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=7DC32BB192E3C8F9F3B8042BE4233B71.f594dyPDCy4K3aQHRor6A%3a760&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***APPLIED CATALYSIS B: ENVIRONMENTAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=16343&origin=resultslist) ***130-131:65-72 2013***

1. [*Lam, YL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=20734529200&zone=)[*Kan, CW;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8947139000&zone=)[*Yuen, CWM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55207533200&zone=)

[*A study of metal oxide on antimicrobial effect of plasma pre-treated cotton fabric*](http://www.scopus.com/record/display.url?eid=2-s2.0-84873194342&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=D39DA54A88F95120F259A8FEE776C8BC.zQKnzAySRvJOZYcdfIziQ%3a420&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

***FIBERS AND POLYMERS, 14 (1):52-58 2013***

1. [*Radić, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26538970900&zone=)[*Obradović, BM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004066714&zone=)[*Kostić, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35233853000&zone=)[*Dojčinović, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12040764400&zone=)[*Hudcová, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36699734200&zone=)[*Kuraica, MM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602162822&zone=)[*Černák, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603926040&zone=)

[*Deposition of gold nanoparticles on polypropylene nonwoven pretreated by dielectric barrier discharge and diffuse coplanar surface barrier discharge*](http://www.scopus.com/record/display.url?eid=2-s2.0-84873410065&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=58754ACA26B5621A6394446D519ED5AC.ZmAySxCHIBxxTXbnsoe5w%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****PLASMA CHEMISTRY AND PLASMA PROCESSING, 33 (1):201-218 2013***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. [*Prysiazhnyi, V;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36119036900&zone=)[*Kramar, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55443305700&zone=)[*Dojcinovic, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12040764400&zone=)[*Zekic, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506196405&zone=)[*Obradovic, BM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004066714&zone=)[*Kuraica, MM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602162822&zone=)[*Kostic, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35233853000&zone=)

[*Silver incorporation on viscose and cotton fibers after air, nitrogen and oxygen DBD plasma pretreatment*](http://www.scopus.com/record/display.url?eid=2-s2.0-84872363972&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=EBEC4487F6E8E084600F335B26729AC8.mw4ft95QGjz1tIFG9A1uw%3a460&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)

***CELLULOSE, 20 (1):315-325 2013***

1. *Kan, CW; Lam, YL; Yuen, CWM; Luximon, A; Lau, KW; Chen, KS*

*Chemical analysis of plasma-assisted antimicrobial treatment on cotton*

***JOURNAL OF PHYSICS: CONFERENCE SERIES, IOP Publishing, 441(1) 012002 2013***

1. *Mohamed, NH*

*Surface Modification of Synthetic Fibers for Antibacterial Applications*

***Doctoral dissertation, Universität Duisburg-Essen, Fakultät für Chemie 2013***

1. [*Montazer, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35311296300&zone=)*;* [*Behzadnia, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37064304000&zone=)*;* [*Moghadam, MB*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8648412800&zone=)

[*Superior self-cleaning features on wool fabric using TiO 2/Ag nanocomposite optimized by response surface methodology*](http://www.scopus.com/record/display.url?eid=2-s2.0-84862023373&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=OyxatT_lqJBiJn1LHefLGre%3a610&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=) *.****JOURNAL OF APPLIED POLYMER SCIENCE, 125 (SUPPL. 2): E356-E363 2012***

1. [*Lam, Y-L;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=20734529200&zone=)[*Kan, C-W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55532144400&zone=)[*Yuen, C-WM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55207533200&zone=)

*Developments in functional finishing of cotton fibres - Wrinkle-resistant, flame-retardant and antimicrobial treatments*

***TEXTILE PROGRESS, 44 (3-4): 175-249 2012***

1. *Radić, N; Obradović, BM; Kostić, M; Dojčinović, B; Kuraica, MM; Černák, M*

*Deposition of silver ions onto DBD and DCSBD plasma treated nonwoven polypropylene*

***SURFACE AND COATING TECHNOLOGY, 206 (23): 5006-5011 2012***

1. [*Mallakpour, S;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=7006028542&zone=)[*Hatami, M*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=8082597200&zone=)

[*Dispersion of Surface Modified Nanostructure Zinc Oxide in Optically Active Poly(Amide-Imide) Containing Pyromellitoyl-bis-L-isoleucine Segments: Nanocomposite Preparation and Morphological Investigation*](http://www.scopus.com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84864621397&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=I70FSKomf6ZrxT356g-yVps%3a600&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)

***POLYMER –PLASTICS TECHNOLOGY AND ENGINEERING, 51 (11): 1106-1112 2012***

1. [*Sodagar, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25229542600&zone=)[*Kassaee, MZ;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16555351800&zone=)[*Akhavan, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24502712800&zone=)[*Javadi, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=45661311000&zone=)[*Arab, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37015242700&zone=)[*Kharazifard, MJ*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24335071200&zone=)

[*Effect of silver nano particles on flexural strength of acrylic resins*](http://www.scopus.com/record/display.url?eid=2-s2.0-84864747045&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a710&sot=cite&sdt=a&sl=0&relpos=3&relpos=3&searchTerm=)

[***JOURNAL OF PROSTHODONTIC RESEARCH,***](http://www.scopus.com/source/sourceInfo.url?sourceId=16700154701&origin=resultslist)  ***56 (2):120-124 2012***

1. [*Tang, X*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55190674300&zone=)*;* [*Cao, X*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8514994300&zone=)

[*Preparation and characterization of antibacterial poly(vinylidene fluoride)-silver composites*](http://www.scopus.com/record/display.url?eid=2-s2.0-84859886922&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=4owjniez_VSxGVyGEA6vAsw%3a300&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

***HIGH PERFORMANCE POLYMERS, 24 (2): 135-139 2012***

1. [*Baghriche, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14035266200&zone=)*; Zertal, A; Ehiasarian, AP;* [*Sanjinés, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36837842400&zone=)*;*[*Pulgarin, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54389716200&zone=)*;Kusiak-Nejman, E; Morawski, AW;* [*Kiwi, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004291855&zone=)

*Advantages of highly ionized pulse plasma magnetron sputtering (HIPIMS) of silver for improved E. coli inactivation*

***THIN SOLID FILMS, 520 (9): 3567-3573 2012***

1. [*Baghriche, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14035266200&zone=)*;* [*Kiwi, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004291855&zone=)*;* [*Pulgarin, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54389716200&zone=)*;* [*Sanjinés, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36837842400&zone=)

[*Antibacterial Ag-ZrN surfaces promoted by subnanometric ZrN-clusters deposited by reactive pulsed magnetron sputtering*](http://www.scopus.com/record/display.url?eid=2-s2.0-84855720118&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a510&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=).[***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=26966&origin=resultslist)  ***229 (1): 39-45 2012***

1. [*Baghriche, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14035266200&zone=)*;* [*Ruales, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37059796200&zone=)*;* [*Sanjines, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003709835&zone=)*;* [*Pulgarin, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54389716200&zone=)*;* [*Zertal, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54892795400&zone=)*;* [*Stolitchnov, I*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54390015900&zone=)*;* [*Kiwi, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35302717700&zone=)

[*Ag-surfaces sputtered by DC and pulsed DC-magnetron sputtering effective in bacterial inactivation: Testing and characterization*](http://www.scopus.com/record/display.url?eid=2-s2.0-84855273113&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a510&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=) *,*[***SURFACE AND COATINGS TECHNOLOGY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=24537&origin=resultslist) ***206 (8-9): 2410-2416 2012***

1. *Gorjanc, M; Kovac, F; Gorensek, M*

*The influence of vat dyeing on the adsorption of synthesized colloidal silver onto cotton fabrics*

[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***82 (1): 62-69 2012***

1. *Longano, D; Ditaranto, N; Sabbatini, L; Torsi, L; Cioffi, N*

*Synthesis and Antimicrobial Activity of Copper Nanomaterials*

***NANO-ANTIMICROBIALS, SPRINGER BERLIN HEIDELBERG, 85-117 2012***

1. *Beata, G; Michalski, A*

*Microbial Degradation of Woven Fabrics and Protection Against Biodegradation*

***INTECH, ISBN 978-953-51-0607-4, 10: 1-31 2012, http://cdn.intechopen.com/pdfs/36909/***

1. *Perumalraj, R*

*Effect of Sliver Nanoparticles on Wool Fibre*

***ISRN CHEMICAL ENGINEERING, Volume 2012, Article ID 842021, 4 pages,*** [***http://dx.doi.org/10.5402/2012/842021***](http://dx.doi.org/10.5402/2012/842021)

1. *Stepczyńska, M; Żenkiewicz, M*

*Some sterilization effects of corona treatment on the polylactide packaging film*

***POLIMERY I KOMPOZYTY KONSTRUKCYJNE, 482-487 2012* *http://www.composites.polsl.pl/article/11/59***

1. *Jen CS*

*Preparation of nanostructured metals on substrates and textile for electrocatalytic and antibacterial applications*

[***Doctoral theses,***](http://scholarbank.nus.edu/handle/10635/2)  ***national university of singapore, materials science and engineering, 2012, http://scholarbank.nus.edu/handle/10635/36337***

1. *Ramadan, A., Gawish, S*

*Review on recent applications of antimicrobial agents for polyamide and polypropylene.*

***Al-Azhar Bull. Sci., 23 (1): 1-28, 2012, http://absb.journals.ekb.eg/article\_7202\_e83ecc2b53456446f6b6d342ede5f159.pdf***

1. [*Jewrajka, SK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52363970700&zone=)*;* [*Haldar, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14035644600&zone=)

[*Amphiphilic poly(acrylonitrile-co-acrylic acid)/silver nanocomposite additives for the preparation of antibiofouling membranes with improved properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-80054976929&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=6vwFH_1AXahF1jKDOjZ3Qr3%3a650&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****POLYMER COMPOSITES, 32 (11):1851-1861 2011***

1. [*Božanić, DK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52363294400&zone=)*;* [*Djoković, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701482817&zone=)*;* …&[*Radhakrishnan, T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52364685900&zone=)

[*Inhibition of microbial growth by silver-starch nanocomposite thin films*](http://www.scopus.com/record/display.url?eid=2-s2.0-80053471335&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=HwXsaS5YdwDc18zohxZUoco%3a770&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF BIOMATERIALS SCIENCE, POLYMER EDITION, 22 (17): 2343-2355 2011***

1. [*Damerchely, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15836927400&zone=)*;* [*Yazdanshenas, ME*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24067854600&zone=)*;* [*Rashidi, A-S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24067740200&zone=)*;* [*Khajavi, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15837163400&zone=)

[*Morphology and mechanical properties of antibacterial nylon 6/nano-silver nano-composite multifilament yarns*](http://www.scopus.com/record/display.url?eid=2-s2.0-80054855878&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=6vwFH_1AXahF1jKDOjZ3Qr3%3a650&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)

[***TEXTILE RESEARCH JOURNAL***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)***,*** ***81 (16):1694-1701 2011***

1. *Chen, Y; Liu, L; Zhang, YF*

[*Preparation of poly(vinylidene fluoride)-silver nanoparticle composite using dimethylformide as both a solvent and a reductant*](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=45&SID=Q2HMeLAIjPFf@mn1A5B&page=1&doc=1) *,****E-POLYMERS, art. no.*** *055 2011*

1. *Mihailović, D; Šaponjić, Z; Radoičić, M; Molina, R; Radetić, T; Jovančić, P; Nedeljković, J; Radetić, M*

*Novel properties of PES fabrics modified by corona discharge and colloidal TiO2 nanoparticles*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 22 (5): 703-709 2011***

1. *Mamvura, TA; Iyuke, SE; Cluett, JD; Paterson, AE*

*Soil films in the beverage industry: A review,,* ***JOURNAL OF THE INSTITUTE OF BREWING, 117 (4): 608-616 2011***

1. *Mihailović, D; Šaponjić, Z; Molina, R; Radoičić, M; Esquena, J; Jovančić, P; Nedeljković, J; Radetić, M*

*Multifunctional properties of polyester fabrics modified by corona discharge/air RF plasma and colloidal TiO2 nanoparticles,* ***POLYMER COMPOSITES, 32 (3): 390-397 2011***

1. [*Stanić, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23053260100)*;* [*Janaćković, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35248063500)*;* [*Dimitrijević, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26431297900)*;* [*Tanasković, SB*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35587919200)*;* [*Mitrić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35262576100)*;* [*Pavlović, MS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36844522800)*;* [*Krstić, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006010128)*;* [*Raičević, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=11940752400)

[*Synthesis of antimicrobial monophase silver-doped hydroxyapatite nanopowders for bone tissue engineering*](http://www.scopus.com/record/display.url?eid=2-s2.0-78951487082&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=nUCRS8IB-r2NhJYquboPrOP%3a320&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***APPLIED SURFACE SCIENCE, 257(9): 4510-4518 2011***

1. *Temgrel, A; Palmutcu, S.*

*Fonksiyonel Tekstiller III: Tekstil yüzeylerinde Fotokatalitik Etki ile Kendi Kendini Temizleme*

***TEKSTIL TEKNOLOJILERI ELEKTRONIK DERGISI, 5(2):35-50 2011***

1. [*Stanić, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23053260100)

*Testing of antimicrobial activity materials based on calcium hydroxyapatite*

***DOCTORAL THESES, University of Belgrade, Faculty of Technology and Metalurgy, 2011*** [***http://nardus.mpn.gov.rs/handle/123456789/2918***](http://nardus.mpn.gov.rs/handle/123456789/2918)

1. *Ubaid, U R E; Danish, A*

*An Update on the Technology and Application of Plasma Treatment for Textiles,*[***Theses***](file:///C:\Users\Administrator\AppData\Roaming\Microsoft\Word\Theses)***,University of Borås/Swedish School of Textiles, 2011 http://bada.hb.se/handle/2320/7710***

1. *Mahltig, B; Textor, T*

[*Silver Containing Sol-gel Coatings on Polyamide Fabrics as Antimicrobial Finish-Description of a Technical Application Process for Wash Permanent Antimicrobial Effect*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=22&SID=Q2JOeHbFEabid6Fd8kN&page=1&doc=1&cacheurlFromRightClick=no)*,FIBERS AND POLYMERS,**11****(****8):**1152-1158**2010*

1. [*Castro, C.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36631465700)*,* [*Sanjines, R.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003709835)*,* [*Pulgarin, C.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35269939700)*,* [*Osorio, P.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36632975400)*,* [*Giraldo, S.A.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6505928453)*,* [*Kiwi, J.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35302717700)

[*Structure-reactivity relations for DC-magnetron sputtered Cu-layers during E. coli inactivation in the dark and under light*](http://www.scopus.com/record/display.url?eid=2-s2.0-78549285592&origin=resultslist&sort=plf-f&cite=2-s2.0-64149107533&src=s&imp=t&sid=ISEzJNvzH3boHINLPeP7u2u%3a240&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=26966&origin=resultslist)  ***216 (2-4): 295-302 2010***

1. *Mihailović, D; Šaponjić, Z; Radoičić, M; Molina, R; Puač, N; Jovančić, P; Nedeljković, J; Radetić, M*

[*Improved Properties of Oxygen and Argon RF Plasma-Activated Polyester Fabrics Loaded with TiO2 Nanoparticles*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=5&SID=Z1En4GPeJJKhmhLFbgG&page=1&doc=1&cacheurlFromRightClick=no)

*ACS APPLIED MATERIALS & INTERFACES, 2****(****6****):*** *1700-1706 2010*

1. [*Stanić, V;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Stani%c4%87%2c+V.&origin=resultslist&authorId=23053260100&src=s)[*Dimitrijević, S;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Dimitrijevi%c4%87%2c+S.&origin=resultslist&authorId=26431297900&src=s)[*Antić-Stanković, J;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Anti%c4%87-Stankovi%c4%87%2c+J.&origin=resultslist&authorId=12768090300&src=s)[*Mitrić, M;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Mitri%c4%87%2c+M.&origin=resultslist&authorId=35262576100&src=s)[*Jokić, B;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Joki%c4%87%2c+B.&origin=resultslist&authorId=12797907200&src=s)[*Plećaš, IB;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Ple%c4%87a%c5%a1%2c+I.B.&origin=resultslist&authorId=7004043790&src=s)[*Raičević, S*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Rai%c4%8devi%c4%87%2c+S.&origin=resultslist&authorId=11940752400&src=s)

*Synthesis, characterization and antimicrobial activity of copper and zinc-doped hydroxyapatite nanopowders*

***APPLIED SURFACE SCIENCE, 256 (20): 6083-6089 2010***

1. [*Kiwi, J;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Kiwi%2c+J.&origin=resultslist&authorId=35302717700&src=s)[*Pulgarin, C*](http://www.scopus.com.proxy.kobson.nb.rs:2048/search/submit/author.url?author=Pulgarin%2c+C.&origin=resultslist&authorId=35269939700&src=s)

*Innovative self-cleaning and bactericide textiles ,****CATALYSIS TODAY, 151 (1-2): 2-7 2010***

1. *Mihailović, D; Šaponjić, Z; Radoičić, M; Radetić, T; Jovančić, P; Nedeljković, J; Radetić, M*

*Functionalization of polyester fabrics with alginates and TiO2 nanoparticles*

***CARBOHYDRATE POLYMER, 79 (3): 526-532 2010***

1. [*Gorenšek, M;*](http://www.scopus.com/search/submit/author.url?author=Goren%c5%a1ek%2c+M.&origin=resultslist&authorId=35233515700&src=s)[*Gorjanc, M;*](http://www.scopus.com/search/submit/author.url?author=Gorjanc%2c+M.&origin=resultslist&authorId=23990545900&src=s)[*Bukošek, V;*](http://www.scopus.com/search/submit/author.url?author=Buko%c5%a1ek%2c+V.&origin=resultslist&authorId=6701839471&src=s)[*Kovač, J;*](http://www.scopus.com/search/submit/author.url?author=Kova%c4%8d%2c+J.&origin=resultslist&authorId=7101745196&src=s)[*Jovančić, P;*](http://www.scopus.com/search/submit/author.url?author=Jovan%c4%8di%c4%87%2c+P.&origin=resultslist&authorId=6602704735&src=s)[*Mihailović, D*](http://www.scopus.com/search/submit/author.url?author=Mihailovi%c4%87%2c+D.&origin=resultslist&authorId=26025990100&src=s)

*Functionalization of PET fabrics by corona and nano silver*

[***TEXTILE RESEARCH JOURNAL***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)***, 80 (3): 253-262 2010***

1. *Mejia, MI; Restrepo, G; Marin, JM, Sanjines, R; Pulgarin, C; Mielczarski, E; Mielczarski, J; Kiwi,J*

[*Magnetron-Sputtered Ag Surfaces. New Evidence for the Nature of the Ag Ions Intervening in Bacterial Inactivation*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=8&SID=N2CckAj3pehgEane8J4&page=1&doc=3&cacheurlFromRightClick=no)

*ACS APPLIED MATERIALS & INTERFACES, 2(1): 230-235 2010*

1. *Coman, D; Oancea, S; Vrinceanu, N*

[*Biofunctionalization of textile materials by antimicrobial treatments: a critical overview*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=15&SID=W1295o7i8HlKoHBpf84&page=1&doc=1&cacheurlFromRightClick=no)

*ROMANIAN BIOTECHNOLOGICAL LETTERS, 15(1): 4913-4921 2010*

1. [*Gorenšek, M.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35605394200)*,* [*Gorjanc, M.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23990545900)*,* [*Bukošek, V.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701839471)*,* [*Kovač, J.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7101745196)*,* [*Petrović, Z.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35231003500)*,* [*Puač, N.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6503919761)

[*Functionalization of polyester fabric by Ar/N2 plasma and silver*](http://www.scopus.com/record/display.url?eid=2-s2.0-77956832801&origin=resultslist&sort=plf-f&cite=2-s2.0-77951270173&src=s&imp=t&sid=u9XEOp-cjPalMsn5b_EZdoB%3a120&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)*,*

***TEXTILE RESEARCH JOURNAL, 80 (16): 1633-1642 2010***

1. [*Torres, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Torres%20A&ut=000282017700013&pos=1)*;* [*Ruales, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Ruales%20C&ut=000282017700013&pos=2)*;* [*Pulgarin, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Pulgarin%20C&ut=000282017700013&pos=3)*;* [*Aimable, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Aimable%20A&ut=000282017700013&pos=4)*;* [*Bowen, P*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Bowen%20P&ut=000282017700013&pos=5)*;* [*Sarria, V*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Sarria%20V&ut=000282017700013&pos=6)*; Kiwi, J*

[*Innovative High-Surface-Area CuO Pretreated Cotton Effective in Bacterial Inactivation under Visible Light*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=9&SID=N2iMc2fg5aCh2hIC42B&page=1&doc=2&cacheurlFromRightClick=no)

*ACS APPLIED MATERIALS & INTERFACES,**2* ***(****9)****:*** *2547-2552**2010*

1. [*Gorjanc, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23990545900)*;* [*Bukošek, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701839471)*;* [*Gorenšek, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35605394200)*;* [*Mozetič, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35240653400)

*CF4 plasma and silver functionalized cotton,*[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***80 (20): 2204-2213 2010***

1. *Mao, J.Y; Belcher, AM; Van Vliet, KJ*

*Genetically engineered phage fibers and coatings for antibacterial applications*

***ADVANCED FUNCTIONAL MATERIALS, 20(2):209-214 2010***

1. *Petrović, Z Lj;* [*Maguire*](http://link.springer.com/search?facet-author=%22Paul+Maguire%22)*, P;* [*Radmilović-Radjenović*](http://link.springer.com/search?facet-author=%22Marija+Radmilovi%C4%87-Radjenovi%C4%87%22)*,M;* [*Radetić*](http://link.springer.com/search?facet-author=%22Maja+Radeti%C4%87%22)*,M;* [*Puač*](http://link.springer.com/search?facet-author=%22Nevena+Pua%C4%8D%22)*, N;* [*Marić*](http://link.springer.com/search?facet-author=%22Dragana+Mari%C4%87%22)*, D;* [*Mahony*](http://link.springer.com/search?facet-author=%22Charles+Mahony%22)*,C;* [*Malović*](http://link.springer.com/search?facet-author=%22Gordana+Malovi%C4%87%22)*, G*

*On Application of Plasmas in Nanotechnologies,* ***NANOTECHNOLOGY FOR ELECTRONICS, PHOTONICS, AND RENEWABLE ENERGY, SPRINGER, NEW YORK, 85-130 2010***

1. [*Chattopadhyay, DP;*](http://www.scopus.com/search/submit/author.url?author=Chattopadhyay%2c+D.P.&origin=resultslist&authorId=24079989500&src=s)[*Patel, BH*](http://www.scopus.com/search/submit/author.url?author=Patel%2c+B.H.&origin=resultslist&authorId=7402619614&src=s)

*Improvement in physical and dyeing properties of natural fibres through pre-treatment with silver nanoparticles*

***INDIAN JOURNAL OF FIBRE AND TEXTILE RESEARCH, 34 (4): 368-373 2009***

**12.** Vuković, J; Pergal, M; Jovanović, S; **Vodnik, V**

*Crosslinked polyurethanes based on hyperbranched polymers,* HEMIJSKA INDUSTRIJA, **62 (6): 353-359 2008**

1. *Pajović, S; Radičević, B;…& Perić, J*

*Acoustic properties of highly elastic polyurethane foam vapen HR 3744.* ***Journal of Production Engineering, 26:13-18 2023***

1. *Dejan, K*

*Strukturiranje funkcionalnih hibridnih materijala na osnovu alifatičnih poliuretana i neorganskih punila.*

***Doctoral dissertation, University of Novi Sad, Faculty of Technology, 2018,***

***http://nardus.mpn.gov.rs/handle/123456789/11946***

1. *Pergal, MV, Džunuzović, JV; Poreba, R; Micić, D; Stefanov, P; Pezo, L; Špírková, M*

[*Surface and thermomechanical characterization of polyurethane networks based on poly(dimethylsiloxane) and hyperbranched polyester*](http://www.scopus.com/record/display.url?eid=2-s2.0-84881078287&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=8ADA3F42E09521D2C814E570754986ED.fM4vPBipdL1BpirDq5Cw%3a210&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,****EXPRESS POLYMER LETTERS, 7 (10): 806-820 2013***

1. [*Pergal, MV;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35722913100&zone=)[*Džunuzović, JV;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36760702600&zone=)[*Porȩba, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36706580200&zone=)[*Ostojić, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8234282200&zone=)[*Radulović, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23467616500&zone=)[*Špírková, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603701071&zone=)

[*Microstructure and properties of poly(urethane-siloxane)s based on hyperbranched polyester of the fourth pseudo generation*](http://www.scopus.com/record/display.url?eid=2-s2.0-84874107725&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=84997BAA4A72C3CB861FF31E0A5D4832.CnvicAmOODVwpVrjSeqQ%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****PROGRESS IN ORGANIC COATINGS, 76 (4):743-756 2013***

1. ***Džunuzović, JV; Pergal, MV; Porȩba, R; Ostojić, S; Lazić, N; Špírková, M; Jovanović, S***

[*Studies of the thermal and mechanical properties of poly(urethane-siloxane) s cross-linked by hyperbranched polyesters*](http://www.scopus.com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84865510522&origin=resultslist&sort=plf-f&cite=2-s2.0-77952917097&src=s&imp=t&sid=I70FSKomf6ZrxT356g-yVps%3a510&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****INDUSTRIAL AND ENGINEERING CHEMISTRY RESEARCH, 51 (33): 10824-10832 2012***

1. [*Pergal, MV*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957221000&zone=)*;* [*Džunuzović, J.V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958343900&zone=)*;* [*Ostojić, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958459600&zone=)*;* [*Pergal, M.M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957220900&zone=)*;* [*Radulović, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958198000&zone=)*;* [*Jovanović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958521300&zone=)

[*Poly(urethane-siloxane)s based on hyperbranched polyester as crosslinking agent: Synthesis and characterization*](http://www.scopus.com/record/display.url?eid=2-s2.0-84856633742&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a300&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 77(7): 919-935 2012***

1. [*Žagar, E;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603376329)[*Žigon, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004440615)

[*Aliphatic hyperbranched polyesters based on 2,2-bis(methylol)propionic acid - Determination of structure, solution and bulk properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-78649734777&origin=resultslist&sort=plf-f&cite=2-s2.0-77952917097&src=s&imp=t&sid=nUCRS8IB-r2NhJYquboPrOP%3a120&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****PROGRESS IN POLYMER SCIENCE (OXFORD), 36 (1): 53-88 2011***

1. *Jovičić, M*

*Projektovanje strukture premaza na bazi klasičnih i hiperrazgranatih alkidnih smola.*

***Doctoral dissertation, Универзитет у Новом Саду, Технолошки факултет, 2011***

1. [*Džunuzović, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36760762600)[*Jovanović, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35951994000)[*Lechner, MD*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16637508200)

*Characterization of the commercial hyperbranched polyestersHEMIJSKA INDUSTRIJA,* ***64 (6): 547-553 2010***

**13.** Šaponjić, Z; Ilić, V; **Vodnik, V**; Mihailović, D; Jovančić, P; Nedeljković, J; Radetić, M

*The antifungal activity of corona treated polyamide and polyester fabrics loaded with silver nanoparticles,*

**Publ. Astron. Obs. Belgrade, ISBN 978-86-80019-27-7, No.84: 411-414 2008**

1. *Harifi, T; Montazer, M*

*Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review.* ***JOURNAL OF INDUSTRIAL TEXTILES, 2015, doi: 10.1177/1528083715601512***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. *Vu, NK; Zille, A; Oliveira, FR; Carneiro, N; Souto, AP*

*Effect of particle size on silver nanoparticle deposition onto dielectric barrier discharge (DBD) plasma functionalized polyamide fabric.* ***PLASMA PROCESSES AND POLYMERS, 10(3): 285-296 2013***

1. *Marcato, PD; Duran, M; Huber, SC; Rai, M; Melo, PS; Alves, OL; Duran, N*

*Biogenic silver nanoparticles and its antifungal activity as a new topical transungual drug.*

***JOURNAL OF NANO RESEARCH, 20: 99-107 2012***

**14.** Ilić, V; Šaponjić, Z; **Vodnik, V**; Dimitrijević, S; Mihailović, D; Jovančić, P; Nedeljković, J; Radetić, M

*The Antibacterial Effect of Silver Nanoparticles Deposited on Corona Treated Polyamide Fabrics*

**Proc. 8th AUTEX Conference, June 24-26, 2008, Biella, Italy, ISBN: 978-88-89280-49-2,** **2008**

1. *Petrulyte, S; Petrulis, D*

*Modern textiles and biomaterials for healthcare.* ***In: Handbook of medical textiles, Woodhead Publishing, pp. 1-35, 2011***

1. *Ražić, SE; Čunko, R*

*Modification of textile properties using plasma,* ***TEXTILE 58(3): 55-74 2009***

**15.** Ilić, V; Šaponjić, Z; **Vodnik, V**; Potkonjak, B; Jovančić, P; Nedeljković, J; Radetić, M

[*The Influence of Silver Content on Antimicrobial Activity and Color of Cotton Fabrics Functionalized with Ag Nanoparticles*](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6TFD-4WDNKSN-1&_user=1793225&_coverDate=05%2F31%2F2009&_rdoc=3&_fmt=high&_orig=browse&_srch=doc-info(%23toc%235224%239999%23999999999%2399999%23FLA%23display%23Articles)&_cdi=5224&_sort=d&_docanchor=&_ct=92&_acct=C000053038&_version=1&_urlVersion=0&_userid=1793225&md5=0d32c7948f4639aee651f398436ccb13)*,* **CARBOHYDRATE POLYMERS, 78(3): 564-569 2009**

1. *Al-Hakimi, AN; Alresheedi, TM;...& Saeed, SES*

*Synthesis and Characterization of a Fluorinated Schiff Base from Benzimidazole and Its Metal Complexes for Antimicrobial and UV-Protective Cotton Fabrics,* ***COATINGS, 15(4):380 2025***

1. *Rashid, S; Mahvish, F*

*Improve the antibacterial properties of cotton bandages coated with silver particles and finished with a naturally extracted dye* ***FIBRES AND TEXTILES 32(1):85-91 2025***

1. *Marković, D; Tomšić, B;...&Radetić, M*

*Biosynthesis of Silver Nanoparticles on Polypropylene Nonwovens: towards Antimicrobial Protection*

***CHEMISTRYSELECT,******2025, DOI: 10.1002/slct.202500376***

1. *Telli, A*

*The utilisation of polydopamine interlayer to add silver nanoparticles (AgNPs) to PET fabrics*

***INDUSTRIA TEXTILA 76(02):211-219 2025***

1. *Telli, A.*

*The utilisation of polydopamine interlayer to add silver nanoparticles (AgNPs) to PET fabrics.* ***Industria textila, 76(2):211 2025***

1. *Mrozinska, Z; Swierczynska, M;...&Kudzin, M*

*Evaluation of Antimicrobial Activity, Hemostatic Efficacy, Blood Coagulation Dynamics, and DNA Damage of Linen–Copper Composite Materials****, JOURNAL OF COMPOSITES SCIENCE 9(1):30 2024 DOI: 10.3390/jcs9010030***

1. *Pineda, MEB; Forero, LML;., & Sierra, CA*

*Antibacterial fibers impregnated with mycosynthetized AgNPs for control of Pectobacterium carotovorum.*

***HELIYON, 10(1): e23108 2024***

1. *Liu, C; Deng, D; Xiao, Z*

*A novel suspended suspension bridge-like evaporator with antibacterial properties for achieving stable solar evaporation in concentrated saline water,* ***DESALINATION, 574: 117223 2024***

1. *Rehman, R; Ali, F;...& Pervaiz, MU*

*Anticancer potential of folic acid functionalized Ag-Zn bimetallic nanoparticles*

***INORGANIC CHEMISTRY COMMUNICATIONS, 2024, DOI: 10.1016/j.inoche.2024.112387***

1. *Lazić, V; Nedeljković, J*

*Photocatalytic Reactions over TiO2-Based Interfacial Charge Transfer Complexes,****CATALYSTS 14(11):810 2024***

1. *Park, G; Boo, S;… & Bae, J S*

*Evaluation of Antimicrobial HDPE Fabric and Self-cleaning Properties Using Guanidinylated Chitosan and Photocatalysts.****TEXTILE SCIENCE AND ENGINEERING, 61(5): 231-239 2024***

1. *Siddiqua, UH; Nisa, Z;...& Sabir, QUA*

*Effect of Silver Nanoparticles Finishing on Dyeing Properties of Newly Synthesized Reactive Dye Applied on Cellulosic Fabric*

***FIBERS AND POLYMERS, 2024, DOI: 10.1007/s12221-024-00472-0***

1. *Sinha, MK; Pandey, R*

*Non-Metallic Technical Textiles: Materials and Technologies*

***In book: Non-Metallic Technical Textiles, ISBN: 9781003317074, 2024, DOI: 10.1201/9781003317074***

1. *Al-Balakocy, NG; Hassan, TM;…& Elsalam, SHA*

*One Step Treatment of Polyester Fabrics by Alkali and TiO2 NPs and its Effect on their Functional Performance and Dye-ability*

***JOURNAL OF THE TEXTILE ASSOCIATION, 84/6: 416-424 2024***

1. *Khan, T; Raza, S; Bala, S*

*Exploration of Advances in Sustainable Nanomaterials in Textile Industries*

***In book: Sustainable Nanomaterials, 2024,* *DOI: 10.1007/978-981-97-2761-2\_14***

1. *Lazić, V; Nedeljković, JM; Kokol, V*

*Antimicrobial Activity of Amino-Modified Cellulose Nanofibrils Decorated with Silver Nanoparticles*

***JOURNAL OF FUNCTIONAL BIOMATERIALS 15(10):304 2024***

1. *Prorokova, NP; Odintsova, OI;...& Konovalova, VS*

*Giving Improved and New Properties to Fibrous Materials by Surface Modification,* ***COATINGS 13(1):139 2023***

1. *Pirković, А; Lazić, V;...& Nedeljković, J*

*Comparative analysis of Ag NPs functionalized with olive leaf extract and oleuropein and toxicity in human trophoblast cells and peripheral blood lymphocytes,* ***MUTAGENESIS, 2023, https://doi.org/10.1093/mutage/gead013***

1. *Lopes de Araújo, T; Carneiro, CB;...& De Souza, KC*

*Antimicrobial nanocomposites: Cellulose fibers loaded with silver nanoparticles in health products*

***In book: Global health trends and perspectives in health sciences, 2023, DOI:***[***10.56238/globalhealthprespesc-065***](http://dx.doi.org/10.56238/globalhealthprespesc-065)

1. *Pineda, MEB; Forero, LML;Sierra, CA*

*Antibacterial fibers impregnated with mycosynthetized AgNPs for control of Pectobacterium carotovorum*

***HELIYON, 2023, DOI: 10.1016/j.heliyon.2023.e23108***

1. *Antić, Ž; Maričić, M*

*Advanced materials application in biotechnologies and biomedicine,* ***CHEM. IND. 77(4): 231-233 2023***

1. *Beltrán Pineda, M. E.*

*Biosíntesis de nanopartículas de plata a partir de hongos rizosféricos y su inmovilización en una fibra natural para el control in vitro de la bacteria fitopatógena*

***Doctoral dissertation, Universidad Nacional de Colombia, 2023,* *https://repositorio.unal.edu.co/handle/unal/84170***

1. *Mihajlovski, K; Stajcic, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver*

***HEMIJSKA INDUSTRIJA, 2023, DOI: 10.2298/HEMIND230113021M***

1. *Bao, Y; He, J...&Liu, S*

*Functionalization and Antibacterial Applications of Cellulose-Based Composite Hydrogels,* ***POLYMERS 14(4):769 2022***

1. *Vukoje, I; Lazić, V; ...& Nedeljković, J*

*Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 194: 461-469 2022***

1. *Sredojević, D; Stavrić, S;..., & Nedeljković, JM*

*Interfacial charge transfer complex formation between silver nanoparticles and aromatic amino acids.*

***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2022,*** ***https://doi.org/10.1039/D2CP02041F***

1. *Huang, C; Cai, Y; Chen, X; Ke, Y*

*Silver-based nanocomposite for fabricating high performance value-added cotton,* ***CELLULOSE, 29(2): 723-750 2022***

1. *Huaman, JJP; Espejo, GGZ; ... & Varas, CMS*

*Antimicrobian efecto de las fibras de vicugna pacos “alpaca” funcionalizadas with nanopartículas de plata.*

***REBIOL 42 (1): 29-38 2022***

1. *Ahmed, HM; Mohamed, MA; Abdellatif, FHH*

*Nanoparticles Modifications of Textiles Using Plasma Technology.* ***Fundamentals of Nano–Textile Science, 145-170 2022***

1. *Naebe, M; Haque, ANMA.... & Haji, A*

*Plasma-assisted antimicrobial finishing of textiles: A review.* ***ENGINEERING, 12, 145-163 2022***

1. *Martirosyan, І; Pakholiuk, EV;... & Lutskova, VI*

*Innovative Approach to the Creation of Textile Materials with Antimicrobial Properties.*

***SCIENTIFIC BASIS OF INNOVATION ACTIVITY, 17(3): 56—66 2021***

1. *Montes-Hernandez, G; Di Girolamo, M;... & Eymard Vernain, E*

*In Situ Formation of Silver Nanoparticles (Ag-NPs) onto Textile Fibers.*

***ACS OMEGA, 2021, https://doi.org/10.1021/acsomega.0c04814***

1. *Islam, MT; Mamun, MDA;...&Shahariar, H*

*Scalable coating process of AgNPs-silicone on cotton fabric for developing hydrophobic and antimicrobial properties*

***JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, 2021,DOI: 10.1007/s11998-020-00451-z***

1. *Ahmad, H*

*Celluloses as support materials for antibacterial agents: a review,****CELLULOSE, 2021, DOI: 10.1007/s10570-021-03703-2***

1. *Azizi-lalabadi, M; Garavand, F;Mahdi Jafari, S*

*Incorporation of silver nanoparticles into active antimicrobial nanocomposites: Release behavior, analyzing techniques, applications and safety issues,****ADVANCES IN COLLOID AND INTERFACE SCIENCE, 2021, DOI: 10.1016/j.cis.2021.102440***

1. *Noralian, Z; Gashti, MP; Moghaddam, MR;...& Erfanian, I*

*Ultrasonically developed silver/iota-carrageenan/cotton bionanocomposite as an efficient material for biomedical applications.* ***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES****,* ***180:439-457 2021***

1. *Zhou, S; Wang, W; & Yao, X*

*Antibacterial effect of Ag-PMANa modified cotton.*

***COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 618: 126453******2021***

1. *Naebe, M; Haque, ANMA; Haji, A*

*Plasma-assisted antimicrobial finishing of textiles: A review.****ENGINEERING, 2021, https://doi.org/10.1016/j.eng.2021.01.011***

1. *Kramar, A; Ivanovska, A; Kostic. MM*

*Regenerated Cellulose Fiber Functionalization by Two-step Oxidation Using Sodium Periodate and Sodium Chlorite -Impact on the Structure and Sorption Properties,* ***FIBERS AND POLYMERS, 2021, ISSN: 1229-9197***

1. *Marković, D; Radoičić;...&Radetić, M*

*Modification of PET and PA fabrics with alginate and copper oxides nanoparticles*

***COMPOSITE INTERFACES, 2021, DOI: 10.1080/09276440.2020.1868267***

1. *Martirosyan,I; Pakholiuk, E;...&Lutskova, VI*

*Innovative Approach to the Creation of Textile Materials with Antimicrobial Properties*

***SCIENCE AND INNOVATION, 17(3): 56-66 2021***

1. *Repon, RU; Islam, T...&Kaseem, M*

*Development of Antimicrobial Cotton Fabric Impregnating AgNPs Utilizing Contemporary Practice*

***COATINGS 11(11):1413 2021***

1. *Haslinger, S; Ye, Y; Rissanen, M; Hummel, M; Sixta, H*

*Cellulose Fibers for High Performance Textiles Functionalized with Incorporated Gold and Silver Nanoparticles.*

***ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 8(1): 649-658 2020***

1. *Nunnelley, KG; Smith, JA*

*Nanotechnology for Filtration-Based Point-of-Use Water Treatment: A Review of Current Understanding.* ***In book: Waste Management: Concepts, Methodologies, Tools, and Applications, pp. 1603-1625 2020, DOI: 10.4018/978-1-7998-1210-4.ch074***

1. *Ansari, M; Sajjadi, SA; Sahebian, S; Heidari, EK*

*Photocatalytic and Antibacterial Activity of Silver/Titanium Dioxide/Zinc Oxide Nanoparticles Coated on Cotton Fabrics.****CHEMISTRY SELECT, 5(27): 8370-8378 2020***

1. *Jadoun, S;Verma, A; Arif, R*

*Modification of Textiles via Nanomaterials and Their Applications*

***In book: Frontiers of Textile Materials, 2020, DOI: 10.1002/9781119620396.ch6***

1. *Unal, F; Yavas, A; Avinc, O*

*Sustainability in Textile Design with Laser Technology.*

***In book: Sustainability in the Textile and Apparel Industries, Springer Nature, 2020, p.263***

1. *Mckinney, E; Cho, S;...& Sanders, E*

*Analysis of Zero Waste Patternmaking Approaches for Application to Apparel*

***In book: Sustainability in the Textile and Apparel Industries, 2020, DOI: 10.1007/978-3-030-37929-2\_2***

1. *Eike, R; Irick, E...&Sanders, E*

*Repurposing Design Process,*

***In book: Sustainability in the Textile and Apparel Industries, 2020, DOI: 10.1007/978-3-030-37929-2\_9***

1. *Spieser, H., Denneulin, A;…& Bras, J*

*Cellulose nanofibrils and silver nanowires active coatings for the development of antibacterial packaging surfaces.*

***CARBOHYDRATE POLYMERS, 2020, https://doi.org/10.1016/j.carbpol.2020.116305***

1. *Nalankilli, G*

*Cold Plasma Treatment in Wet Chemical Textile Processing.* ***FIBRES & TEXTILES in Eastern Europe, 28(6): 144 2020***

1. *Lazić, V;Vivod,V;...& Kokol, V*

*Dextran-coated silver nanoparticles for improved barrier and controlled antimicrobial properties of nanocellulose films used in food packaging,****FOOD PACKAGING AND SHELF LIFE, 26: 100575 2020***

1. *Joshi, M.*

*Nanotechnology in Textiles: Advances and Developments in Polymer Nanocomposites.*

***Book, CRC Press, 2020****,* ***ISBN 9789814800815***

1. *Berhanu, B; Lubben, J; Nalankilli, G*

*Cold Plasma Treatment in Wet Chemical Textile Processing*

***FIBRES & TEXTILES IN EASTERN EUROPE, 2020, DOI: 10.5604/01.3001.0014.3807***

1. *Haslinger, S*

*Towards a Closed Loop Economy in Textile Industry: Separation, Dyeing and Re-Spinning of Cellulose Rich Textile Waste.****Doctoral dissertations, Aalto University, 2020, https://aaltodoc.aalto.fi/handle/123456789/44216***

1. *Tamayo, L; Palza, H; Bejarano, J; Zapata, PA*

*Polymer composites with metal nanoparticles: synthesis, properties, and applications.*

***In Polymer Composites with Functionalized Nanoparticles,  Elsevier, pp. 249-286, 2020***

1. *Shaarawy, S*

*A review on the Development of Innovative Capabilities in the Textile Finishing of Natural Fibers.*

***EGYPTIAN JOURNAL OF CHEMISTRY, 63 (2): 857-579 2020***

1. *Kwiczak-Yiǧitbaşı, J; Demir, M;... & Baytekin, B.*

*Ultrasonication for Environmentally Friendly Preparation of Antimicrobial and Catalytically Active* ***NANOCOMPOSITES OF CELLULOSIC TEXTILES, 2020, https://doi.org/10.1021/acssuschemeng.0c05493***

1. *Chepuri, M; Sahatiya, P;… & Badhulika, S*

*Monitoring of physiological body signals and human activity based on ultra-sensitive tactile sensor and artificial electronic skin by direct growth of ZnSnO3 on silica cloth.****MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 99: 125-133 2019***

1. *Emam, HE*

*Antimicrobial cellulosic textiles based on organic compounds,* ***3 BIOTECH, 2019, DOI: 10.1007/s13205-018-1562-y***

1. *Syafiuddin, A*

*Toward a comprehensive understanding of textiles functionalized with silver nanoparticles*

***JOURNAL OF THE CHINESE CHEMICAL SOCIETY, 2019, DOI: 10.1002/jccs.201800474***

1. *Nourbakhsh, S;Sepehrinia , H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles*

***JOURNAL OF THE TEXTILE INSTITUTE, 2019, DOI: 10.1080/00405000.2019.1707346***

1. *Lazić, V; Mihajlovski, A; Mraković, A;....& Nedeljković, J*

*Antimicrobial activity of silver nanoparticles supported by magnetite*

***CHEMISTRY SELECT 4(14):4018-4024 2019***

1. *Dudás, T; Kovács, TN; Szilágyi, IM.; Mester, F*

*Detecting Silver in Silver-Enabled Textiles by a Newly-Developed Portable Device.*

***AATCC JOURNAL OF RESEARCH, 6(4): 22-29 2019***

1. *Shams, NA; Hasanlou, E; Hajipour, A*

*Using adaptive neuro-fuzzy and genetic algorithm for simultaneously estimating the dye and AgNP concentrations of treated silk fabrics with nanosilver,****PIGMENT AND RESIN TECHNOLOGY, 48(1): 20-28 2019***

1. *Wu, Y; Yang, Y; Zhang, Z; Wang, Z; Zhao, Y; Sun, L*

*Fabrication of cotton fabrics with durable antibacterial activities finishing by Ag nanoparticles.*

***TEXTILE RESEARCH JOURNAL, 89(5): 867-880 2019***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Radetić, M; Marković, D*

*Nano-finishing of cellulose textile materials with copper and copper oxide nanoparticles*

***CELLULOSE, 2019, DOI: 10.1007/s10570-019-02714-4***

1. *Vukoje, ID; Džunuzović, E S; Dimitrijević-Branković, S.; Ahrenkiel, S P; Nedeljković, JM*

*Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA- co -EGDMA) polymer,****POLYMER COMPOSITES, 40(7): 2901-2907 2019***

1. *Ponomarev, V; Sheveyko, AN; Permyakova,AN; ... & Ignatov, G S*

*TiCaPCON-Supported Pt-and Fe-based Nanoparticles and Related Antibacterial Activity.*

***ACS APPLIED MATERIALS & INTERFACES, 11(32):28699-28719 2019***

1. *Quartinello, F; Tallian, C; Auer, J; ... & Teuschl, A*

*Smart Textiles in Wound Care: Functionalization of Cotton/PET Blends with Antimicrobial Nanocapsules.* ***JOURNAL OF MATERIALS CHEMISTRY B, 2019, DOI: 10.1039/C9TB01474H***

1. *Montazer, M; Harifi, T*

*Textile: Substrates Modification by Novel Polymers.*

***IN ENCYCLOPEDIA OF POLYMER APPLICATIONS pp. 2562-2579 CRC PRESS, 2019***

1. *Miljkvoć, M;Lazić, V;...˛&Nedeljković, JM*

*Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against E. coli*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2019, DOI:10.1007/s10904-019-01402-x***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Davidović, SZ*

*Primena dekstrana iz bakterija mlečne kiseline za sintezu nanočestica srebra i proizvodnju jestivih filmova*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2019***

1. *Srisod, S; Motina, K; Inprasit, T; Pisitsak, P*

*A green and facile approach to durable antimicrobial coating of cotton with silver nanoparticles, whey protein, and natural tannin.****PROGRESS IN ORGANIC COATINGS, 120: 123-131 2018***

1. *Radetić, M; Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***In Toxicity and Biodegradation Testing, Humana Press, New York, NY, pp. 281-296 2018***

1. *Bharathi, V; Nagasinduja, V; Shahitha, S*

*Fungus-mediated synthesis and characterization of silver nanoparticles and its antibacterial activity against clinically isolated pathogens.****INTERNATIONAL JOURNAL OF CURRENT RESEARCH IN LIFE SCIENCES, 7(04):1507-1512 2018***

1. *Xu, Y; Li, S; Yue, X; Lu, W*

*Review of Silver Nanoparticles (AgNPs)-Cellulose Antibacterial Composites.****BIORESOURCES, 13(1) 2018,***

***http://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes\_13\_1\_Review\_Xu\_Silver\_Nanoparticles\_Cellulose\_Composites***

1. *Nateri,AS; Hasanlou, E;Hajipour, A*

*Using adaptive neuro-fuzzy and genetic algorithm for simultaneously estimating the dye and AgNP concentrations of treated silk fabrics with nanosilver.****PIGMENT & RESIN TECHNOLOGY, 2018, https://doi.org/10.1108/PRT-11-2017-0096***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Al-Enizi, AM; Ahamad, T; Al-hajji, AB; Ahmed, J; Chaudhary, AA; Alshehri, SM*

*Cellulose gum and copper nanoparticles based hydrogel as antimicrobial agents against urinary tract infection (UTI) pathogens.****INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 109: 803-809 2018***

1. *Lazić, V; Smičiklas, I; Marković, J; Lončarević, D; Dostanić, J; Ahrenkiel, SP; Nedeljković, J M*

*Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid.*

***VACUUM, 148: 62-68 2018***

1. *Taşci, ZK; Bozok, SS*

*Pamuk/Gümüş Karışımlı Dokuma Kumaşların Reaktif Boyarmadde İle Boyanması Ve Renk Analizi.*

***MÜHENDISLIK VE TEKNOLOJI BILIMLERI DERGISI, 6(1): 25-28 2018***

1. *Nourbakhsh, S*

*Antimicrobial Performance of Plasma Corona Modified Cotton Treated with Silver Nitrate*

***RUSSIAN JOURNAL OF APPLIED CHEMISTRY 91(8):1338-1344 2018***

1. *Krishna, G; Swetha, G; Charya, MAS*

*Bio Fabrication of Silver Nanoparticles Using White Rot Fungi and their Antibacterial Efficacy*

***GLOBAL JOURNAL OF NANOMEDICINE, 4(2):555635, 2018, doi:10.19080/GJN.2018.04.555635***

1. *Aparicio Vazquez, S*

*Desinfección de agua de composición química diversa a base de clinoptilolita-Ag (Ag+/Ago)*

***Doctoral dissertation, Universidad Autónoma del Estado de México, 2018,***

***URI: http://hdl.handle.net/20.500.11799/80024***

1. *Гараніна, ОО; Петрова-Кумінська, СВ; Нінько, КС*

*Фарбування бавовняного текстильного матеріалу нерозчинним азобарвником із заданими антибактеріальними характеристиками.* ***In KyivTex&Fashion. Київський національний університет технологій та дизайну, 26-29 2018***

***https://er.knutd.edu.ua/bitstream/123456789/12287/1/KyivTextFashin2018\_P026-029.pdf***

1. *Nunnelley, KG; Smith, JA*

*Nanotechnology for Filtration-Based Point-of-Use Water Treatment: A Review of Current Understanding.* ***APPLYING NANOTECHNOLOGY FOR ENVIRONMENTAL SUSTAINBILITY, pp. 27-49, 2017 DOI: 10.4018/978-1-5225-0585-3.ch002***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Radetić, T; Radetić, M*

*Biodegradation of cotton and cotton/polyester fabrics impregnated with Ag/TiO 2 nanoparticles in soil.*

***CARBOHYDRATE POLYMERS, 158 77-84 2017***

1. *Al Azad, S; Morshed, MN; Deb, H; Alam, MAM; Hasan, KF; Shen, X*

*Localized Surface Plasmon Resonance Property of Ag-Nanoparticles and Prospects as Imminent Multi-Functional Colorant.*

***AMERICAN JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY RESEARCH, 5(1): 1-20 2017***

1. [*Litovchenko*](https://www.researchgate.net/researcher/2117742443_NV_Litovchenko)*, NV;* [*Potanin*](https://www.researchgate.net/profile/A_Potanin)*, A.Yu;* [*Zamulaeva*](https://www.researchgate.net/researcher/77760695_EI_Zamulaeva)*, EI;* [*Shtansky*](https://www.researchgate.net/profile/Dmitry_Shtansky)*, DV*

*Combustion synthesis of Ti-C-Co-Ca3(PO4)2-Ag-Mg electrodes and their utilization for pulsed electrospark deposition of bioactive coatings having an antibacterial effect,* ***SURFACE AND COATINGS TECHNOLOGY, 309: 75-85 2017***

1. *Ballottin, D., Fulaz, S., Cabrini, F., Tsukamoto, J., Durun, N., Alves, O.L., Tasic, L.*

*Antimicrobial textiles: Biogenic silver nanoparticles against Candida and Xanthomonas*

***MATERIALS SCIENCE AND ENGINEERING: C, 75:582 – 589 2017***

1. *Irfan, M; Perero, S; Miola, M; Maina, G; Ferri, A; Ferraris, M;Balagna, C.*

*Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique.* ***CELLULOSE, 5(24): 2331-2345 2017***

1. *Shams Nateri, A; Hajipour, A; Balarak, S; Khayati, G*

*Prediction of the concentration of dye and nanosilver particle on silk fabric using artificial neural network.*

***PIGMENT & RESIN TECHNOLOGY, 2017, https://doi.org/10.1108/PRT-11-2016-0114***

1. *Hassan, MS; Ibrahim, HM*

*Characterization and antimicrobial properties of metal complexes of polypropylene fibers grafted with acrylic acid using gamma irradiation.* ***POLYMER FOR ADVANCED TECHNOLOGIES, 27 (4): 532-541 2016***

1. *Simončič, B; Klemenčič, D*

*Preparation and performance of silver as an antimicrobial agent for textiles: A review.****TEXTILE RESEARCH JOURNAL, 86 (2): 210-223 2016***

1. *Joardar, S; Ray, S; Samanta, S; Bhattacharjee, P*

*Antibacterial activity of 3, 6-di (pyridin-2-yl)-1, 2, 4, 5-s-tetrazine capped Pd (0) nanoparticles against Gram-positive Bacillus subtilis bacteria.* ***COGENT BIOLOGY, Taylor & Francis, 2(1): 1249232, 2016***

1. *Gültekin, B C*

*Bleaching of SeaCell® active fabrics with hydrogen peroxide.* ***FIBRES AND POLYMERS,******17(8): 1175-1180 2016***

1. *Ibrahim, HM; Hassan, MS*

*Characterization and antimicrobial properties of cotton fabric loaded with green synthesized silver nanoparticles.*

***CARBOHYDRATE POLYMER, 2016,*** [***doi:10.1016/j.carbpol.2016.05.041***](http://dx.doi.org/10.1016/j.carbpol.2016.05.041)

1. *Gholami-Shabani, M; Shams-Ghahfarokhi, M; Gholami-Shabani, Z; Razzaghi-Abyaneh, M*

*Microbial Enzymes: Current Features and Potential Applications in Nanobiotechnology.* ***Advances and Applications Through Fungal Nanobiotechnology, Springer International Publishing,******pp. 91-127, 2016.***

1. *Gorjanc, M; Šala, M*

*Durable antibacterial and UV protective properties of cellulose fabric functionalized with Ag/TiO2 nanocomposite during dyeing with reactive dyes.* ***CELLULOSE, 23(3): 2199-2209 2016***

1. *Emam, HE; Rehan, M; Mashaly, HM; Ahmed, HB*

*Large scaled strategy for natural/synthetic fabrics functionalization via immediate assembly of AgNPs.*

***DYES AND PIGMENTS, 133: 173-183 2016***

1. *Islam, SU; Butola, BS; Mohammad, F*

*Silver Nanomaterials as Future Colorants and Potential Antimicrobial Agents for Natural and Synthetic Textile Materials.* ***RSC ADVANCES, 6(50): 44232-44247 2016***

1. *Mashitah, MD; San Chan, Y; Jason, J*

*Antimicrobial properties of nanobiomaterials and the mechanism.*

***In Nanobiomaterials in Antimicrobial Therapy, pp. 261-312 2016***

1. *Mittal, AK;Banerjee, UC*

*Current status and future prospects of nanobiomaterials in drug delivery*

***In book: Nanobiomaterials in Drug Delivery, 2016, DOI: 10.1016/B978-0-323-42866-8.00005-8***

1. *Nogueira, AL; Machado, RA; de Souza, A; Franco, CV; Dutra, GB*

*Influence of process parameters and scalability of the semi‐batch production of functionalized silver nanoparticles.*

***THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, 2016, DOI: 10.1002/cjce.22530***

1. *Khafaga, MR; Ali, HE; El-Naggar, AWM*

*Antimicrobial finishing of cotton fabrics based on gamma irradiated carboxymethyl cellulose/poly (vinyl alcohol)/TiO2 nanocomposites.* ***THE JOURNAL OF THE TEXTILE INSTITUTE, 107(6): 766-773 2016***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom*

***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Mahmud, S*

*Green synthesis of sodium alginate based silver nanoparticle and their textile application (Chapter-4)*

***Master Thesis, Chinese Academy of Sciences, 2020, https://www.researchgate.net/publication/344129198***

1. *Zille, A; Oliveira, FR; Souto, AP*

*Plasma Treatment in Textile Industry.* ***PLASMA PROCESS AND POLYMERS, 12 (2): 98-131 2015***

1. *Montazer, M; Mozaffari, A; Alimohammadi, F*

*Simultaneous Dyeing and Antibacterial Finishing of Nylon Fabric Using Acid Dyes and Colloidal Nanosilver*

***FIBRES & TEXTILES IN EASTERN EUROPE, 23(2): 100-106 2015***

1. *Davidović, S; Miljković, M; Lazić, V; Jović, D; Jokić, B; Dimitrijević, S; Radetić, M*

*Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species Leuconostoc mesenteroides T3.* ***CARBOHYDRATE POLYMER, 131: 331–336 2015***

1. *Bozaci, E; Akar, E; Ozdogan, E; Demir, A; Altinisik, A; Seki, Y*

*Application of carboxymethylcellulose hydrogel based silver nanocomposites on cotton fabrics for antibacterial property.* ***CARBOHYDRATE POLYMER, 134: 128-135 2015***

1. *Wasukan, N; Srisung, S; Kulthong, K; Boonrungsiman, S; Maniratanachote, R*

*Determination of silver in personal care nanoproducts and effects on dermal exposure.*

***JOURNAL OF NANOPARTICLE RESEARCH, 17(11): 1-11 2015***

1. *Balashanmugam, P; Kalaichelvan, PT*

*Biosynthesis characterization of silver nanoparticles using Cassia roxburghii DC. aqueous extract, and coated on cotton cloth for effective antibacterial activity.* ***INTERNATIONAL JOURNAL OF NANOMEDICINE, 10(Suppl 1): 87-97 2015***

1. *Триколенко, ІА; Ющишина, ГМ; Романкевич, ОВ*

*Характеристика дисперсій срібла, отриманних за Oствальдом.( The characteristics of silver dispersions that have opteined by the ostvald metod)****Науковий вісник Миколаївського державного університету імені ВО Сухомлинського. Серія: Біологічні науки, 1: 60-62 2015.***

***http://scholar.google.com/scholar?start=50&hl=sr&as\_sdt=0,5&sciodt=0,5&cites=9464195943759455120&scipsc***

1. *Vukoje, ID; Džunuzović, E S; Lončarević, DR; Dimitrijević, S.; Ahrenkiel, S P; Nedeljković, JM*

*Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly (GMA‐co‐EGDMA) polymer support.* ***POLYMER COMPOSITES, 2015, DOI: 10.1002/pc.23684***

1. *Khafaga, M R; Ali, H E; El-Naggar, AWM*

*Antimicrobial finishing of cotton fabrics based on gamma irradiated carboxymethyl cellulose/poly (vinyl alcohol)/TiO2 nanocomposites. ,****THE JOURNAL OF THE TEXTILE INSTITUTE, 107(6): 766-773 2015***

1. *Emam, HE; Saleh, N H; Nagy, K S; Zahran, MK*

*Functionalization of Medical Cotton by Direct Incorporation of Silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 78: 249 - 256 2015***

1. *Islam, SU; Mohammad, F*

*High-Energy Radiation Induced Sustainable Coloration and Functional Finishing of Textile Materials*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 54 (15): 3727-3745 2015***

1. *Velmurugan, P*

*Reduction of silver (I) using defatted cashew nut shell starch and its structural comparison with commercial product*

***CARBOHYDRATE POLYMER,******133: 39-45 2015***

1. *Křížová, H*

*Aplikace polyfenolů na textilní substráty.* *Application of polyphenols on textile substrates*

***Doctoral dissertation, Faculty of Textile Engineering, Liberec, 2015,*** ***https://dspace.tul.cz/bitstream/handle/15240/39445/U\_890\_T.pdf?sequence=-1&isAllowed=y***

1. *Velmurugan, P; Cho, M; Lee, S-M; Park, J-H; Bae, S; Oh, B-T*

*Antimicrobial fabrication of cotton fabric and leather using green-synthesized nanosilver*

***CARBOHYDRATE POLYMER,******106: 319-325 2014***

1. *Vukoje, ID; Tomašević-Ilić, TD;...& Nedeljković, JM*

*Silver film on nanocrystalline TiO2 support: Photocatalytic and antimicrobial ability*

***MATERIALS RESEARCH BULLETIN, 60: 824-829 2014***

1. *Rusen, E; Mocanu, A;...&Diacon, A*

*Design of antimicrobial membrane based on polymer colloids/MWCNT hybrid material with silver nanoparticles.*

***ACS APPLIED MATERIALS & INTERFACES, 6:17384−17393 2014***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. *El-Rafie, MH; Ahmed, HB; Zahran, MK*

*Characterization of Nanosilver Coated Cotton Fabrics and Evaluation of Its Antibacterial Efficacy.*

***CARBOHYDRATE POLYMER,******107: 174-181 2014***

1. [*Emam, HE;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24338031900&zone=)[*Mowafi, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=29867491300&zone=)[*Mashaly, HM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36168554600&zone=)[*Rehan, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36757751100&zone=)

*Production of antibacterial colored viscose fibers using in situ prepared spherical Ag nanoparticles*

***CARBOHYDRATE POLYMER,******110: 148-155 2014***

1. *Shin, YS; Park, M; Kim, H Y; Jin, F L;Park, S J*

*Synthesis of Silver-doped Silica-complex Nanoparticles for Antibacterial Materials.*

***BULLETIN OF THE KOREAN CHEMICAL SOCIETY, 35(10): 2979-2984 2014***

1. *Milošević, M; Radoičić, M; Šaponjić, Z; Nunney, T; Deeks, C; Lazić, V; Mitrić, M; Radetić, T; Radetić, M*

*In situ photoreduction of Ag+-ions by TiO2 nanoparticles deposited on cotton and cotton/PET fabrics*

***CELLULOSE, 21(5): 3781-3795 2014***

1. *Soundari, APG; Nagarajan, C; Mani, VM; Priyadarisini, VB*

*Quorum Quenching Activity of Pigments Produced by Actinomycetes.*

***INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH, 3(9):2252-2257 2014***

*http://www.ijsr.net/archive/v3i9/T0NUMTQ1Nw==.pdf*

1. *Song, Y; Guan, R; Lyu, F; Kang, T; Wu, Y; Chen, X*

*In vitro cytotoxicity of silver nanoparticles and zinc oxide nanoparticles to human epithelial colorectal adenocarcinoma (Caco-2) cells.* ***MUTATION RESEARCH/FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS, 769: 113-118 2014***

1. [*Peng, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55223800200&zone=)[*Zhang, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56106505000&zone=)[*Wu, Y;Liu,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56105722200&zone=) *H; Ran,J;* [*Li, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36062846100&zone=)[*Yang, F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55489699400&zone=)

*In situ synthesis of silver nanoparticles on fabric attached with chitosan*

[***CHEMICAL JOURNAL OF CHINESE UNIVERSITIES,***](http://www.scopus.com/source/sourceInfo.url?sourceId=24057&origin=resultslist)  ***35 (2):415-420 2014***

1. [*Tutak, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=22836909300&zone=)[*Bilget, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55102869600&zone=)

*Pi̇gment baski pati i̇le basilmiş nano boyutta gümüş/çi̇nko parti̇külleri̇n renk performasi üzeri̇ne etki̇si̇ | [Effect of nano-sized silver/zinc particles in pigment printing paste on color performance]*

***JOURNAL OF TEXTILES AND ENGINEER (TEKSTIL VE MUHENDIS), 21 (94):13-17 2014***

1. *Velmurugan, P; Lee, SM; Cho, M; Park, JH; Seo, S K; Myung, H; Bang, KS; Oh, BT*

*Antibacterial activity of silver nanoparticle-coated fabric and leather against odor and skin infection causing bacteria.*

***APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, 98(19): 8179-8189 2014***

1. *Rtimi, S; Kiwi J; Pulgar, C*

*Innovative Ag-textiles prepared by colloidal, conventional sputtering and HIPIMS inducing fast bacterial inactivation: Critical Issues,* ***NOVA SCIENCE PUBLISHERS, Inc, IN: textiles:history, properties and performance, editor:md. ibrahim h. mondal, chapter 10, isbn: 978-1-63117-262-5, 277-314 2014***

1. *Krucińska, I; Chrzanowska, O; Boguń, M; Kowalczuk, M; Dobrzyński, P*

*Fabrication of PLGA/HAp and PLGA/PHB/HAp fibrous nanocomposite materials for osseous tissue regeneration*

***AUTEX RESEARCH JOURNAL, 14(2):95-110 2014***

1. *Ashour, SM*

*Silver nanoparticles as antimicrobial agent from Kluyveromyces marxianus and Candida utilis.*

***INTERNATIONAL JORNAL OF CURRENT MICROBIOLOGY AND APPLED SCIENCE, 3(8): 384-396 2014.***

1. *Liu, H; Lee, Y-Y; Norsten, TB; Chong, K*

*In situ formation of anti-bacterial silver nanoparticles on cotton textiles*

***JOURNAL OF INDUSTRIAL TEXTILES, 44 (2): 198-210 2014***

1. *Llec, E; Hladnik, A; Simoncic, B*

*Influence of Antimicrobial Finishing on Colour and Colour Fastness of Textiles from Natural Fibres | [Vpliv protimikrobne apreture na barvo in barvno obstojnost tekstilij iz naravnih vlaken,****TEKSTILEC, 57 (4): 283-299 2014***

1. *San, C Y; Don, M M*

*Biosynthesis of Silver Nanoparticles from Schizophyllum Commune and In-vitro Antibacterial and Antifungal Activity Studies* ***JOURNAL OF PHYSICAL SCIENCE, 24(2):83-96 2013***

1. *Shinde,VV; Jadhav,PR ; Kim,JH ; Patil, PS*

[*One-step synthesis and characterization of anisotropic silver nanoparticles: application for enhanced antibacterial activity of natural fabric*](http://link.springer.com/article/10.1007/s10853-013-7651-8)*,****JOURNAL OF MATERIALS SCIENCE 48(24): 8393-8401 2013***

1. [*Lee, HJ*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54417548100&zone=)*;* [*Song, JY;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55500855800&zone=)[*Kim, BS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26643235700&zone=)

[*Biological synthesis of copper nanoparticles using Magnolia kobus leaf extract and their antibacterial activity*](http://www.scopus.com/record/display.url?eid=2-s2.0-84885427676&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=55D46BCF68A6F0C2C475924C040B3C3B.y7ESLndDIsN8cE7qwvy6w%3a100&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=16083&origin=resultslist)  ***88 (11): 1971-1977 2013***

1. *Gorjanc, M; Gorenšek, M; Jovančić, P; Mozetič, M*

*Multifunctional Textiles – Modification by Plasma, Dyeing and Nanoparticles****ECO-FRIENDLY TEXTILE DYEING AND FINISHING (Dr. Melih Gunay (Ed.)), INTECH, 3-31 2013******http://dx.doi.org/10.5772/53376***

1. [*Giannossa*](https://www.researchgate.net/researcher/2007464379_Lorena_Carla_Giannossa/)*,* *LC;* [*Longano*](https://www.researchgate.net/researcher/2007457734_Daniela_Longano/)*,D;…&*[*Cioffi*](https://www.researchgate.net/researcher/39949046_Nicola_Cioffi/)*, N*

*Metal nanoantimicrobials for textile applications,****NANOTECHNOLOGY REVIEWS, 2(3): 307-331 2013***

1. [*Prathna, TC*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35734809300&zone=)*;* [*Raichur, AM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603905467&zone=)*;* [*Chandrasekaran, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35304625200&zone=)[*Mukherjee, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55300885800&zone=)

[*Process development for functionalization of cotton with silver nanoparticles synthesized by bio-based approaches*](http://www.scopus.com/record/display.url?eid=2-s2.0-84882805242&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a290&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

***CURRENT NANOSCIENCE, 9 (4): 479-488 2013***

1. [*Milošević, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756627700&zone=)[*Radoičić, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23052093100&zone=)[*Šaponjić, Z;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603558005&zone=)[*Nunney, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506816852&zone=)[*Marković, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756811800&zone=)[*Nedeljković, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)[*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*In situ generation of Ag nanoparticles on polyester fabrics by photoreduction using TiO2 nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878633521&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a430&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***JOURNAL OF MATERIALS SCIENCE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=21162&origin=resultslist)  ***48 (16): 5447-5455 2013***

1. [*Kan, C-W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55532144400&zone=)[*Lam, Y-L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=20734529200&zone=)

*Low stress mechanical properties of plasma-treated cotton fabric subjected to zinc oxide-anti-microbial treatment*

***MATERIALS, 6 (1):314-333 2013***

1. *Yazdanshenas, ME; Shateri-Khalilabad, M*

*In situ synthesis of silver nanoparticles on alkali-treated cotton fabrics*

***JOURNAL OF INDUSTRIAL TEXTILES, 42(4):459-474 2013***

1. [*Guibal, E;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006498836&zone=)[*Cambe, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55516587900&zone=)[*Bayle, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15841449800&zone=)[*Taulemesse, J-M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15122911900&zone=)[*Vincent, T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7101668924&zone=)

[*Silver/chitosan/cellulose fibers foam composites: From synthesis to antibacterial properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-84873060794&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=D39DA54A88F95120F259A8FEE776C8BC.zQKnzAySRvJOZYcdfIziQ%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 393 (1):411-420 2013***

1. [*Vu, NK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55622491500&zone=)[*Zille, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7801341189&zone=)[*Oliveira, FR;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35181742400&zone=)[*Carneiro, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14049991500&zone=)[*Souto, AP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004255232&zone=)

*Effect of particle size on silver nanoparticle deposition onto dielectric barrier discharge (DBD) plasma functionalized polyamide fabric,****PLASMA PROCESSES AND POLYMERS, 10 (3):285-296 2013***

1. *Kozicki, M; Sa̧siadek, E;…& Rybicki, E*

[*Facile and durable antimicrobial finishing of cotton textiles using a silver salt and UV light*](http://www.scopus.com/record/display.url?eid=2-s2.0-84865482822&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=kO5QcA9-2hDjz7drfVnEs1n%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***CARBOHYDRATE POLYMERS, 91(1): 115-127 2013***

1. [*Dai, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37012423000&zone=)[*Fan, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23018664400&zone=)[*Collins, P*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55513424700&zone=)

[*Fabrication of nanocelluloses from hemp fibers and their application for the reinforcement of hemp fibers*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870663818&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=7DC32BB192E3C8F9F3B8042BE4233B71.f594dyPDCy4K3aQHRor6A%3a290&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

[***INDUSTRIAL CROPS AND PRODUCTS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=32791&origin=resultslist) ***44:192-199 2013***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. [*Chan, YS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957211800&zone=)[*Mat Don, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24329579500&zone=)

[*Biosynthesis and structural characterization of Ag nanoparticles from white rot fungi*](http://www.scopus.com/record/display.url?eid=2-s2.0-84869097414&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a140&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

[***MATERIALS SCIENCE AND ENGINEERING C***](http://www.scopus.com/source/sourceInfo.url?sourceId=17813&origin=resultslist)***, 33 (1):282-288 2013***

1. [*Emam, HE;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24338031900&zone=)[*Manian, AP;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8527002200&zone=)[*Široká, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23669052800&zone=)[*Duelli, H;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23110291100&zone=)[*Redl, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003642733&zone=)[*Pipal, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507431001&zone=)[*Bechtold, T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35609692300&zone=)

[*Treatments to impart antimicrobial activity to clothing and household cellulosic-textiles - Why "nano"-silver?*](http://www.scopus.com/record/display.url?eid=2-s2.0-84866697200&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a140&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)

***JOURNAL OF CLEANER PRODUCTION, 39:17-23 2013***

1. *Reijnders, L*

*The environmental impact of a nanoparticle-based reduced need of cleaning product and the limitation thereof*

***SELF-CLEANING MATERIALS AND SURFACES: A NANOTECHNOLOGY APPROACH, First Edition, Published by John Wiley & Sons, Ltd., 313-346 2013***

1. [*Klemenčič, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35233918500&zone=)[*Muha, P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56260809100&zone=)[*Klepacka, W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56260865500&zone=) *(...),* [*Žagar, K;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506864487&zone=)[*Simončič, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55910787900&zone=)

*Vpliv postopka priprave koloidnih raztopin srebra na lastnosti vlaken iz polimlečne kisline | [Influence of preparation procedure of colloidal silver solution on properties of fibres from polylactic acid],* ***TEKSTILEC, 56 (4): 302-311 2013***

1. *Rikalović, MG*

*Study of rhamnolipid biosurfactant from strains of Pdeudomonas aeruginosa originated from environments contaminated with petroleum and petroleum derivates*

***Dissertation, Hemijski fakultet, Univerzitet u Beogradu, 2013, http://nardus.mpn.gov.rs/handle/123456789/3461***

1. *Baghriche, O*

*Preparation and characterization of new materials based on tio2 and silver. application for elimination of microorganisms and harmful substances* ***Dissertation,*** ***UNIVERSITE CONSTANTINE 1 FACULTE DES SCIENCES EXACTES,DEPARTEMENT DE CHIMIE, Algerienne, 2013, http://archives.umc.edu.dz/bitstream/handle/123456789/131717/BAG6358.pdf?sequence=1***

1. [*Marcato, PD;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8837255900&zone=)[*Nakasato, G;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55543392000&zone=)[*Brocchi, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603584415&zone=)[*Melo, PS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003878037&zone=)[*Huber, SC;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55543257500&zone=)[*Ferreira, IR;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55543101500&zone=)[*Alves, OL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54896216300&zone=)[*Durán, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23072832700&zone=)

[*Biogenic silver nanoparticles : Antibacterial and cytotoxicity applied to textile fabrics*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871848685&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=B80D972E6A53EB9552E22801B4376B8A.mw4ft95QGjz1tIFG9A1uw%3a520&sot=cite&sdt=a&sl=0&relpos=6&relpos=6&searchTerm=)

***JOURNAL OF NANO RESEARCH, 20:69-76 2012***

1. [*Yazdanshenas, ME;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23973960300&zone=)[*Shateri-Khalilabad, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=34868519200&zone=)

[*The effect of alkali pre-treatment on formation and adsorption of silver nanoparticles on cotton*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870684333&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a390&sot=cite&sdt=a&sl=0&relpos=5&relpos=5&searchTerm=) *surface*

***FIBERS AND POLYMERS, 13 (9): 1170-1178 2012***

1. [*Song, JY;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55500855800&zone=)[*Kwon, E-Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35885581700&zone=)[*Kim, BS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26643235700&zone=)

[*Antibacterial latex foams coated with biologically synthesized silver nanoparticles using Magnolia kobus leaf extract*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871003109&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a390&sot=cite&sdt=a&sl=0&relpos=6&relpos=6&searchTerm=)

***KOREAN JOURNAL OF CHEMICAL ENGINEERING, 29 (12): 1771-1775 2012***

1. *Montazer, M ; Shamei, A; Alimohammadi, F*

[*Synthesizing and stabilizing silver nanoparticles on polyamide fabric using silver-ammonia/PVP/UVC*](http://www.scopus.com/record/display.url?eid=2-s2.0-84866047497&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=BSGZAI1pQKyipw1lK3u8hH9%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***PROGRESS IN ORGANIC COATINGS, 75 (4):379-385 2012***

1. *Lorenz, C, Windler, L, von Goetz, N; Lehmann, RP; Schuppler, M; Hungerbühler,K*

*Characterization of silver release from commercially available functional (nano)textiles*

***CHEMOSPHERE 89 (7) : 817-824 2012***

1. [*Üreyen, ME;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14055329100&zone=)[*Doǧan, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7101805499&zone=)[*Koparal, AS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603159253&zone=)

*Antibacterial functionalization of cotton and polyester fabrics with a finishing agent based on silver-doped calcium phosphate powders,*[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***82 (17): 1731-1742 2012***

1. [*Lam, YL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=20734529200&zone=)[*Kan, CW,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55206371100&zone=)[*Yuen, CWM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55207533200&zone=)

[*Developments in functional finishing of cotton fibres - Wrinkle-resistant, flame-retardant and antimicrobial treatments*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871343386&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=B80D972E6A53EB9552E22801B4376B8A.mw4ft95QGjz1tIFG9A1uw%3a520&sot=cite&sdt=a&sl=0&relpos=12&relpos=12&searchTerm=)

***TEXTILE PROGRESS, 44 (3-4):175-249 2012***

1. *Nourbakhsh, S ; Ashjarana, A*

*Laser treatment of cotton fabric for durable antibacterial properties of silver nanoparticles*

***MATERIALS, 5 (7) : 1247-1257 2012***

1. [*Lam, YL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=20734529200&zone=)[*Kan, CW,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55206371100&zone=)[*Yuen, CWM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55207533200&zone=)

*Effect of metal oxide on anti-microbial finishing of cotton fabric,*[***BIORESOURCES,***](http://www.scopus.com/source/sourceInfo.url?sourceId=5900153306&origin=resultslist)  ***7 (3): 3960-3983 2012***

1. *Montazer, M, Hajimirzababa, H ;Rahimi, MK, Alibakhshi, S*

*Durable anti-bacterial nylon carpet using colloidal nano silver*

***FIBERS AND TEXTILES IN EASTERN EUROPE, 20(4(93)): 96-101 2012***

1. [*Zhang, Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55240558500&zone=)*;* [*Li, Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37101959200&zone=)*;* [*Hu, Q*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7403214834&zone=)

[*Colorless antibacterial cotton fabrics based on silver nanoparticles and chitosan complexes*](http://www.scopus.com/record/display.url?eid=2-s2.0-84861819891&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=uwgy_4ASzA_DtvEGlzOu0MN%3a210&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***INTERNATIONAL JOURNAL OF CLOTHING SCIENCE AND TECHNOLOGY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=12755&origin=resultslist)  ***24 (2): 118-128 2012***

1. [*Montazer, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35311296300&zone=)[*Alimohammadi, F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52263111300&zone=)*;* [*Shamei, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52264551600&zone=)*;* [*Rahimi, MK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=40762322100&zone=)

[*In situ synthesis of nano silver on cotton using Tollens' reagent*](http://www.scopus.com/record/display.url?eid=2-s2.0-81255127637&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=-RPixJ5PGkEaHWoheaajum9%3a200&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***CARBOHYDRATE POLYMER, 87 (2): 1706-1712 2012***

1. *Xue, C-H; Chen, J; Yin, W; Jia, S-T; Ma, J-Z*

*Superhydrophobic conductive textiles with antibacterial property by coating fibers with silver nanoparticles*

***APPLIED SURFACE SCIENCE, 258(7): 2468-2472 2012***

1. [*Tutak, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55103881100&zone=)*;* [*Gün, F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55104710000&zone=)

[*Antimicrobial effect of CI Basic Green 4 (Malachite Green) against some pathogenic bacteria*](http://www.scopus.com/record/display.url?eid=2-s2.0-84858420022&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=iEvBguyul9bR3Kyf6peAbcU%3a120&sot=cite&sdt=a&sl=0&relpos=3&relpos=3&searchTerm=)

***TEKSTIL VE KONFEKSIYON, 22 (1): 48-51 2012***

1. *Gorjanc, M; Kovac, F; Gorensek, M*

*The influence of vat dyeing on the adsorption of synthesized colloidal silver onto cotton fabrics*

[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***82 (1): 62-69 2012***

1. *Györgyfalvay, M., Haslberger, A*

*Nanosilver in the field of food [Nanosilber im Lebensmittelbereich]****ERNAHRUNG, 36(11):468-474 2012***

1. *Matsushita, A; Inaba, J; Fugiwara, S; Wohnrath, K; Garcia, J; Pessoa, C*

*Synthesis and characterisation of silver nanoparticles in the polymer 3-n-propyl pyridine silsesquioxane chloride for application in textile materials* ***Publicatio UEPG-Ciências Exatas e da Terra, Agrárias e Engenharias, Brasil 18(1):39-50 2012***

1. *Tutak, M; Gun. F*

*CI Bazik Turuncu 1 (Chrysodine) Boyasının Antibakteriyel Özelliğinin Belirlenmesi*

***JOURNAL OF TEXTILES AND ENGINEER, 19, 88 2012 doi:10.7216/130075992012198802***

1. [*Kim, SS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36623791700)[*Park, JE*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36624183300)*;* [*Lee, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14018020600)

[*Properties and antimicrobial efficacy of cellulose fiber coated with silver nanoparticles and 3-mercaptopropyltrimethoxysilane (3-MPTMS)*](http://www.scopus.com/record/display.url?eid=2-s2.0-78249237880&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=ISEzJNvzH3boHINLPeP7u2u%3a110&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***JOURNAL OF APPLIED POLYMER SCIENCE, 119 (4): 2261-2267 2011***

1. [*El-Shishtawy, RM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35271919400)*;* [*Asiri, AM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=13003692400)*;* [*Abdelwahed, NAM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36551877500)*;* [*Al-Otaibi, MM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36981312600)

*In situ production of silver nanoparticle on cotton fabric and its antimicrobial evaluation.****CELLULOSE, 18 (1): 75-82 2011***

1. [*Lin, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36998859700)*;* [*Gong, W-Z*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37060902800)*;* [*Wang, S-Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35262843200)

*Hollow PET fibers containing silver particles as antibacterial materials*

[***JOURNAL OF THE TEXTILE INSTITUTE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17141&origin=resultslist) ***102 (5): 419-423 2011***

1. *Tutak M; Gun F*

[*Antimicrobial Effect of CI Basic Red 18:1 and CI Basic Yellow 51 on Some Pathogenic Bacteria*](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=35&SID=Q2HMeLAIjPFf@mn1A5B&page=1&doc=1&cacheurlFromRightClick=no)

***FIBERS AND POLYMERS, 12 (4): 457-460 2011***

1. *Marcato, P D; Durán, N*

*Biogenic Silver Nanoparticles: Application in Medicines and Textiles and Their Health Implications*

***METAL NANOPARTICLES IN MICROBIOLOGY, SPRINGER BERLIN HEIDELBERG, 249-267 2011***

1. *Arya, V; Komal, R; Kaur, M; Goyal, A*

*Silver nanoparticles as a potent antimicrobial agent: A Review* ***PHARMACOLOGYONLINE, 3: 118-124 2011***

1. *Martínez-Abad, A*

*Silver-and Nanosilver-Based Plastic Technologies,****ANTIMICROBIAL POLYMERS,*** ***CHAPTER B, JOHN WILEY AND SONS, ISBN: 978-047059822-1, DOI: 10.1002/9781118150887.ch11, p.287-316 2011***

1. *Martínez-Abad, A*

*Silver-based antimicrobial polymers for food packaging*

***MULTIFUNCTIONAL AND NANOREINFORCED POLYMERS FOR FOOD PACKAGING, CHAPTER B, WOODHEAD PUBLISHING LIMITED, ISBN: 978-184569738-9, DOI: 10.1533/9780857092786, p.*** ***347-367 2011***

1. [*Kim, HW;*](http://www.scopus.com/search/submit/author.url?author=Kim%2c+H.W.&origin=resultslist&authorId=35322206100&src=s)[*Kim, BR;*](http://www.scopus.com/search/submit/author.url?author=Kim%2c+B.R.&origin=resultslist&authorId=35322400300&src=s)[*Rhee, YH*](http://www.scopus.com/search/submit/author.url?author=Rhee%2c+Y.H.&origin=resultslist&authorId=34571971200&src=s)

*Imparting durable antimicrobial properties to cotton fabrics using alginate-quaternary ammonium complex nanoparticles****CARBOHYDRATE POLYMER, 79 (4): 1057-1062 2010***

1. *Klemenčič, D;* [*Simončič, B;*](http://www.scopus.com/search/submit/author.url?author=Simon%c4%8di%c4%8d%2c+B.&origin=resultslist&authorId=6701785067&src=s)[*Tomšič, B;*](http://www.scopus.com/search/submit/author.url?author=Tom%c5%a1i%c4%8d%2c+B.&origin=resultslist&authorId=8672620900&src=s)[*Orel, B*](http://www.scopus.com/search/submit/author.url?author=Orel%2c+B.&origin=resultslist&authorId=35238384600&src=s)

*Biodegradation of silver functionalised cellulose fibres ,****CARBOHYDRATE POLYMER, 80 (2): 427-436 2010***

1. *Mahltig, B; Haufe, H;…& Kang, YS*

*Silver Nanoparticles in SiO2 microspheres - Preparation by spray drying and use as antimicrobial agent*

***ACTA CHIMICA SLOVENICA, 57 (2): 451-457 2010***

1. [*Leonelli, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35264845300)*;* [*Mason, TJ*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35740926100)

[*Microwave and ultrasonic processing: Now a realistic option for industry*](http://www.scopus.com/record/display.url?eid=2-s2.0-77957318527&origin=resultslist&sort=plf-f&cite=2-s2.0-68949170823&src=s&imp=t&sid=LYl4WDvpVt4pkYIOiTCh_jg%3a100&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)

[***CHEMICAL ENGINEERING AND PROCESSING: PROCESS INTENSIFICATION,***](http://www.scopus.com/source/sourceInfo.url?sourceId=16392&origin=resultslist)  ***49 (9): 885-900 2010***

1. *Boguń, M*

*Nanokompozytowe włókna alginianowe i kompozyty z ich udziałem do zastosowań w inżynierii biomateriałowej.*

***Zeszyty Naukowe. Rozprawy Naukowe/Politechnika Łódzka, 3-210 2010***

***http://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-article-LOD6-0010-0001***

1. *Son, E-J; Jung, S-H; Hwang, Y-G; Jung, H-M*

*Effect of Raising Process of Warp-knitted Fabric Containing Silver Nano-particles****TEXTILE COLORATION AND FINISHING KOREA, 22(4): 356-361 2010****,* ***http://www.ksdf.or.kr/journal/board\_files/V.22,no.4,Dec.1\_1005.pdf***

1. *Black, VA; Njewel, G*

*Search for the Next “Silver Bullet”: A Review of Literature*

***JOURNAL OF THE ARKANSAS ACADEMY OF SCIENCE, 64: 50 2010***

**16.** Ilić, V; Šaponjić, Z; **Vodnik, V**; Molina, R; Dimitrijević, S; Jovančić, P; Nedeljković, J; Radetić, M

[*Antifungal efficiency of corona pretreated polyester and polyamide fabrics loaded with Ag nanoparticles*](http://apps.isiknowledge.com/full_record.do?product=WOS&qid=6&SID=W1295o7i8HlKoHBpf84&doc=1&colname=WOS&cacheurlFromRightClick=no)*,*

**JOURNAL OF MATERIALS SCIENCE, 44(15): 3983-3990 2009**

1. *Zhang, Q; Yu, K;...& Liu, Y*

*Encapsulation and functionalization strategies of organic phase change materials in medical applications*

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2024, DOI: 10.1007/s10973-024-12999-8***

1. *Mouro, CFD; Palmeria-de-Oliveira, A;...& Gouvela, IC*

*Anti-candidiasis functional material for women’s cotton undergarments*

***TEXTILE RESEARCH JOURNAL, 2024, DOI: 10.1177/00405175241243008***

1. *Tassw, DF; Birlie, B; Mamaye, T*

*Nanotechnologies past, present and future applications in enhancing functionality of medical textiles: a review.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2024, https://doi.org/10.1080/00405000.2024.2356327***

1. *Zhang, Q; Le, TC;...&Pan, S*

*Advancements in Nanomaterial Dispersion and Stability and Thermophysical Properties of Nano-Enhanced Phase Change Materials for Biomedical Applications****, NANOMATERIALS, 14: 1126 2024***

1. *Gleissner, C; Biermaier, C;...&Pham, T*

*Altering the percolation threshold of PA66 ‐copper hybrid in an electroless copper deposition process by surface activation of the polymer,* ***POLYMER COMPOSITES, 2024, DOI: 10.1002/pc.28754***

1. *Chen, S; Chen, L;... & Chen, J*

*Silver nanosheets self-assembled on polystyrene microspheres to form “hot spots” with different nanogap distances for high sensitive SERS detection.* ***TALANTA, 268: 125370 2024***

1. *Sfameni, S; Handri, M;...& Plutino, MR*

*Inorganic Finishing for Textile Fabrics: Recent Advances in Wear-Resistant, UV Protection and Antimicrobial Treatments*

***INORGANICS 11(1):19 2023, DOI: 10.3390/inorganics11010019***

1. *Kalidasan, B; Pandey, AK.;... & Tyagi, VV*

*Energizing organic phase change materials using silver nanoparticles for thermal energy storage.*

***JOURNAL OF ENERGY STORAGE, 58,:106361 2023***

1. *Prorokova, NP; Odintsova, OI;… & Konovalova, VS*

*Giving Improved and New Properties to Fibrous Materials by Surface Modification.* ***COATINGS, 13(1); 139 2023***

1. *Mihajlovski, K; Stajcic, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver*

***HEMIJSKA INDUSTRIJA, 2023, DOI: 10.2298/HEMIND230113021M***

1. *Nawab, R; Iqbal, A;...&Munis, MFH*

*Review featuring the use of inorganic nano-structured material for anti-microbial properties in textile*

***POLYMER BULLETIN, 80(7): 7221-7245 2023***

1. *Chen, S; Chen, L;...& Chen, J*

*Silver nanosheets self-assembled on polystyrene microspheres to form “hot spots” with different nanogap distances for high sensitive SERS detection,* ***TALANTA, 2023, DOI: 10.1016/j.talanta.2023.125370***

1. *Rajamony, RK; Samykano, M*

*Applications of Nano-enhanced Phase Change Materials in Textiles*

***In book: Nano Enhanced Phase Change Materialsz, 2023, DOI: 10.1007/978-981-99-5475-9\_10***

1. *Islam, A; Pandey, AK;… & Tyagi, VV*

*Exploring the effects of silver nanoparticle addition on the properties of paraffin wax phase change material. In IOP Conference Series:* ***EARTH AND ENVIRONMENTAL SCIENCE (VOL. 1281(1): 012011 2023***

1. *Hayat, MA; Chen, Y;...&Yang, Y*

*Characteristics and potential applications of nano-enhanced phase change materials: A critical review on recent developments*

***SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS, 50(8):101799, 2022***

1. *Gleissner, C, landsiedel, J...& Pham, T*

*Surface Activation of High Performance Polymer Fibers: A Review*

***POLYMER REVIEWS, 2022, DOI: 10.1080/15583724.2022.2025601***

1. *Gleissner, C; Biermaier, C;... & Pham, T*

*Complexation-mediated surface modification of polyamide-66 textile to enhance electroless copper deposition.*

***MATERIALS CHEMISTRY AND PHYSICS, 288: 126383******2022***

1. *Vukoje, I; Lazić, V; ...& Nedeljković, J*

*Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 194:461-469 2022***

1. *Bhandari, V., Jose, S., Badanayak, P., Sankaran, A., & Anandan, V*

*Antimicrobial Finishing of Metals, Metal Oxides, and Metal Composites on Textiles: A Systematic Review.*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 2022, https://doi.org/10.1021/acs.iecr.1c04203***

1. *Radetić, M; Marković, D*

*A review on the role of plasma technology in the nano‐finishing of textile materials with metal and metal oxide nanoparticles*

***PLASMA PROCESSES AND POLYMERS, 2022, DOI: 10.1002/ppap.202100197***

1. *Onggar, T*

*Silvering and coppering of chemically inert textile materials by means of wet-chemical process*

***THE JOURNAL OF ALMATY TECHNOLOGICAL UNIVERSITY, (1):115-135 2022***

1. *Ahmed, HM; Mohamed, MA; Abdellatif, FHH*

*Nanoparticles Modifications of Textiles Using Plasma Technology.* ***Fundamentals of Nano–Textile Science, 145-170 2022***

1. *Kalidasan, B;Pandey,AK;,,,&Tyagi, VV*

*Energizing organic phase change materials using silver nanoparticles for thermal energy storage.*

***JOURNAL OF ENERGY STORAGE 58 (2023): 106361 2022***

1. *Yilma, B. B*

*A Study on the Effect of Plasma Modification on the Comfort Properties of Polyester/Cotton Blend Fabric.*

***Book, Cuvillier Verlag, ISBN:* *9783736966956, 2022, https://cuvillier.de/de/ecollection/publications/list***

1. *Berhanu, B*

*A Study on the Effect of Plasma Modification on the Comfort Properties of Polyester/Cotton Blend Fabric*

***Doctoral dissertation, ISBN-13 (E-Book): 97837369669562022, https://lnkd.in/dDnE--MH***

1. *Koh. E; Park, H; Lee, YT*

*Preparation and modification of an embossed nanofibrous materials for robust filtration performance of PM0.2 removal,* ***JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 93:339-350, 2021***

1. *Abdelhamid, HN*

*Self-decontaminating Antimicrobial Textiles* ***In book: Antimicrobial Textiles from Natural Resources, Elsevier, ISBN: 9780128214855, 2021,*** ***https://www.elsevier.com/books/antimicrobial-textiles-from-natural-resources/mondal/978-0-12-821485-5***

1. *Shang, Z; Li, L; Zhang, D; ... & Liang, P*

*Competitive adsorption of residual polyvinylpyrrolidone and detection molecular on flower liked silver nanoparticles.*

***SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 255: 119717 2021***

1. *Tyuftin, AA; Kerry, JP*

*Gelatin films: Study review of barrier properties and implications for future studies employing biopolymer films*

***FOOD PACKAGING AND SHELF LIFE, 29(4):100688, 2021, DOI: 10.1016/j.fpsl.2021.100688***

1. *Huang, C; Cai, Y; Chen, X; Ke, Y*

*Silver-based nanocomposite for fabricating high performance value-added cotton*

***CELLULOSE, 2021, doi: 10.1007/s10570-021-04257-z***

1. *Tyuftin, AA; Kerry, JP*

*Review of surface treatment methods for polyamide films for potential application as smart packaging materials: surface structure, antimicrobial and spectral properties.* ***FOOD PACKAGING AND SHELF LIFE, 24, 100475, 2020***

1. *Zhang, R; Ding, Q; Zhang, S; ... & Hu, L*

*The effects of ultrasonication on the microstructure, gelling and tribological properties of 12-HSA soft-nanocomposite with LaF3 nanoparticles.* ***COLLOIDS AND SURFACES A, 586, 124247, 2020***

1. *Singh, M; Vajpayee, M; Ledwani, L*

*Eco-friendly Surface Modification and Nanofinishing of Textile Polymers to Enhance Functionalisation*

***In book: Nanotechnology for Energy and Environmental Engineering, Springer, 529-559, 2020***

1. *Tariq, SL; Ali, H;...&Majid, A*

*Nanoparticles enhanced Phase Change Materials (NePCMs)-A Recent Review*

***APPLIED THERMAL ENGINEERING, 2020, DOI: 10.1016/j.applthermaleng.2020.115305***

1. *Nalankilli, G*

*Cold Plasma Treatment in Wet Chemical Textile Processing.* ***FIBRES & TEXTILES in Eastern Europe, 28(6): 144 2020***

1. *Zhang, X; Liu, B; ... & Xie, F*

*A facile method in removal of PVP ligands from silver nanowires for high performance and reusable SERS substrate.*

***SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 228, 117733, 2020***

1. *Mohamed, SK; Abdou, A A;… & Zikry, AF*

*Synthesis and characterization of low-density polyethylene decorated with Ag/rGO nanocomposite for packaging applications.****EGYPTIAN JOURNAL OF CHEMISTRY, 63(5): 22-23 2020***

1. *Peran, J; Ražić, SE*

*Application of atmospheric pressure plasma technology for textile surface modification*

***TEXTILE RESEARCH JOURNAL, 90(9-10): 1174-1197 2020***

1. *Bereznenko, S; Bereznenko, N; Vasylenko, V; ... & Gakhovych, S.*

*Study of effectiveness of uv electromagnetic waves shielding by textile materials.*

***FIBRES AND TEXTILES, 2020, http://vat.ft.tul.cz/2020/2/VaT\_2020\_2\_4.pdf***

1. *Koh, E; Park, HM; Lee, YT*

*Preparation and modification of an embossed nanofibrous materials for robust filtration performance of PM0. 2 removal.****JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 2020, https://doi.org/10.1016/j.jiec.2020.10.010***

1. *Primc, G*

*Surface Modification of Polyamides by Gaseous Plasma—Review and Scientific Challenges.****POLYMERS, 12(12):3020 2020***

1. *Gad Al-Balakocy, N; Abo El-Ola, SM;.. & EL-Bendary, M.A*

*Functional finishing of polyamide-6 fabrics with poly quaternary ammonium salt in presence nanometal oxides.*

***JOURNAL OF ENGINEERED FIBERS AND FABRICS, 2020, https://doi.org/10.1177/1558925020963000***

1. *Nourbakhsh, S; Sepehrnia, H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 111(9): 1269-1276 2020***

1. *OhadiFar, P; Shahidi, S; Dorranian, D*

*Synthesis of silver nanoparticles and exhaustion on cotton fabric simultaneously using laser ablation method.*

***JOURNAL OF NATURAL FIBERS, 17(9): 1295-1306 2020***

1. *Kayabekir, M*

*Diagnosis.* ***Chapter In: Updates in Sleep Neurology and Obstructive Sleep Apnea. INTECHOPEN, 2020, DOI: 10.5772/INTECHOPEN.91368***

1. *Lazić, V; Mihajlovski, K; Mraković, A; Illés, E.,… & Nedeljković, JM*

*Antimicrobial activity of silver nanoparticles supported by magnetite.****CHEMISTRY SELECT, 4(14), 4018-4024 2019***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Nourbakhsh, S;Sepehrinia , H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles*

***JOURNAL OF THE TEXTILE INSTITUTE, 2019, DOI: 10.1080/00405000.2019.1707346***

1. *Ahmed, HB; Emam, HE; Mashaly, HM; Rehan, M*

*Nanosilver leverage on reactive dyeing of cellulose fibers: color shading, color fastness and biocidal potentials.*

***CARBOHYDRATE POLYMERS, 186: 310-320******2019***

1. *Vukoje, ID; Džunuzović, E S; Dimitrijević-Branković, S.; Ahrenkiel, S P; Nedeljković, JM*

*Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA- co -EGDMA) polymer,****POLYMER COMPOSITES, 40(7): 2901-2907 2019***

1. *Zhang, R; Ding, Q; Zhang, S; Li, Y; ... & Hu, L*

*The effects of ultrasonication on the microstructure, gelling and tribological properties of 12-HSA soft-nanocomposite with LaF3 nanoparticles.* ***COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 2019, https://doi.org/10.1016/j.colsurfa.2019.124247***

1. *Song, X; Cvelbar, U; Strazar, P;…& Zille, A*

*Antimicrobial Efficiency and Surface Interactions of Quaternary Ammonium Compound Absorbed on DBD Plasma Treated Fiber-Based Wiping Materials.****ACS APPLIED MATERIALS & INTERFACES, 12(1): 298-311 2019***

1. *Widodo, M; Nuhiyah, S; Umam, K; Muchlisin, Z; Nur, M*

*Penyempurnaan tahan api dan antibakteri pada kain kapas dengan n-metilol dimetilfosfonopropionamida (pyrovatex cp new) dan kitosan menggunakan plasma lucutan korona.****ARENA TEKSTIL, 34(2) 2019, DOI: http://dx.doi.org/10.31266/at.v34i2.5709***

1. *Widodo, M; Nuhiyah, S...&Nur, M*

*Flame retardant and antibacterial finishing of cotton fabric by n-methylol dimethylphosphonopropionamide (pyrovatex cp new) and chitosan using corona discharge plasma,* ***ARENA TEKSTIL, 34(2) : 65-74 2019, DOI: 10.31266/at.v34i2.5709***

1. *Pavoski, G*

*Nanocompósitos de polietileno/sílica com prata para aplicações antibacterianas,* ***Dissertation, Universidade Federal do Rio Grande do Sul, 2019, https://lume.ufrgs.br/bitstream/handle/10183/197905/001098068.pdf?sequence=1&isAllowed=y***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Montazer, M; Harifi, T*

*Textile: Substrates Modification by Novel Polymers.*

***IN ENCYCLOPEDIA OF POLYMER APPLICATIONS (PP. 2562-2579). CRC PRESS, 2019***

1. *Montoya, KA; Ramirez-Jiminez, A;...& Licea-Navarro, AF*

*Surface Modification of Polyester-Fabric with Hydrogels and Silver Nanoparticles: Photochemical Versus Gamma Irradiation Methods,****MATERIALS 12(20):3284 2019 , DOI: 10.3390/ma12203284***

1. *Radetić, M; Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***In Toxicity and Biodegradation Testing, Humana Press, New York, NY, pp. 281-296 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *OhadiFar, P; Shahidi, S; Dorranian, D*

*Synthesis of Silver Nanoparticles and Exhaustion on Cotton Fabric Simultaneously Using Laser Ablation Method*

***JOURNAL OF NATURAL FIBERS, 2018, DOI: 10.1080/15440478.2018.1558160***

1. *Ribeiro, AI; Modic, M; Cvelbar, U; Dinescu, G; Mitu, B; Nikiforov, A., ... &  Heyse, P*

*Double dielectric barrier (DBD) plasma-assisted deposition of chemical stabilized nanoparticles on polyamide 6, 6 and polyester fabrics.****MATERIALS SCIENCE AND ENGINEERING, IOP PUBLISHING 254(10): p. 102010, 2017***

1. *Tomsic, B;Vasiljević, J; Simoncic, B;Radetić, M*

[*The influence of corona treatment and impregnation with colloidal TiO2 nanoparticles on biodegradability of cotton fabric*](https://www.researchgate.net/publication/318771263_The_influence_of_corona_treatment_and_impregnation_with_colloidal_TiO2_nanoparticles_on_biodegradability_of_cotton_fabric)*.****CELLULOSE, 2017, DOI: 10.1007/s10570-017-1415-6***

1. *Nogueira, F; Karumidze, N; Kusradze, I; Goderdzishvili, M; Teixeira, P; Gouveia, I C*

*Immobilization of bacteriophage in wound-dressing nanostructure.*

***Nanomedicine: Nanotechnology, Biology and Medicine, 2017, DOI: http://dx.doi.org/10.1016/j.nano.2017.08.008***

1. *Rivero, PJ; Goicoechea, J; Arregui, FJ*

*Localized Surface Plasmon Resonance for Optical Fiber-Sensing Applications.* ***In Nanoplasmonics-Fundamentals and Applications,******Book edited by Gregory Barbillon, ISBN 978-953-51-3278-3, InTech.,2017,DOI: 10.5772/67544***

1. *Al-Balakocy, NG; Shalaby SE*

*Imparting Antimicrobial Properties to Polyester and Polyamide Fibers-State of the Art*

***JOURNAL OF THE TEXTILE ASSOCIATION, 179-201 2017, https://www.researchgate.net/publication/323113527***

1. *Shalaby, SE; Al-Balakocy, NG; Abo- ELOla,SM; Beliakova, MK;Elshafei, AM*

*Effect of Wet Processing Operations on Functional Properties Imparted to PET Fabrics Loaded with Different Metal Oxides Nanoparticles Part I: Effect of Finishing on Properties Imparted to Bleached PET Fabrics loaded with TiO2, ZnO and SnO2 NPs*

***EGYPT. J. CHEM. 60(6):1045 - 1057 2017, DOI: 10.21608/ejchem.2017.1955.1160***

1. *Shahidi, S*

*Antibacterial Efficiency of Mordant-Treated Cotton and Polyamide Fabrics, Before and After Dyeing.*

***JOURNAL OF NATURAL FIBERS, 13(5): 507-519 2016***

1. *Čulin, J*

*Interpenetrating polymer network composites containing polyurethanes designed for vibration damping.*

***POLIMERY, 61(3):159-166 2016,*  *DOI:*** [***dx.doi.org/10.14314/polimery.2016.159***](http://dx.doi.org/10.14314/polimery.2016.159)

1. *Wenda, M; Jeziorska, R; Zielecka, M; Panasiuk, M*

*Application of silver nanoparticles in the modification of polymers*

***POLIMERY, 61(3):166-171 2016,* *DOI:*** [***dx.doi.org/10.14314/polimery.2016.166***](http://dx.doi.org/10.14314/polimery.2016.166)

1. *Rajar, B; Sukič, N;...&Simončič, B*

*Preparation of Multifunctional Repellent and Antimicrobial Active Polyamide 6 Fabric Pretreated with Oxygen Plasma.****TEKSTILEC, 59(1):15-27 2016 DOI: 10.14502/Tekstilec2016.59.15-27***

1. *Abareshi, M; Shahroodi, SM*

*Effects of silver nanoparticles on the thermal properties of polyethylene matrix nanocomposites.*

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY****,* ***1-8, 2016, DOI: 10.1007/s10973-016-6036-z***

1. *Agboola, O; Sadiku, R.; Mokrani, T; Amer, I; Moropeng, ML; Ramakokovhu, MM*

*Polyethylene/Polyhydroxyalkanoates-based Biocomposites and Bionanocomposites.*

***Polyethylene-Based Biocomposites and Bionanocomposites, p. 201, 2016, John Wiley & Sons, http://scholar.google.com/scholar?start=40&hl=sr&as\_sdt=0,5&sciodt=0,5&cites=17268729826311287741&scipsc=***

1. *Ogar, A; Tylko, G; Turnau, K*

*Antifungal properties of silver nanoparticles against indoor mould growth.*

***SCIENCE OF THE TOTAL ENVIRONMENT, 521: 305-314 2015***

1. *Rivero, PJ; Urrutia, A; Goicoechea, J; Arregui, FJ*

*Nanomaterials for Functional Textiles and Fibers,****NANOSCALE RESEARCH LETTERS, 10(1): 1-22 2015***

1. *Zhang, D; Jiao, C; Xiong, J; Lin, H;Chen, Y*

*Hyperbranched polymer functional cotton fabric for its in situ deposition of silver nanoparticles*

***JAPANESE JOURNAL OF APPLIED PHYSICS, 54(6S1), 06FH01, 2015,*** [***doi:10.7567/JJAP.54.06FH01***](http://dx.doi.org/10.7567/JJAP.54.06FH01)

1. *Wang, R., ho Shin, C; Park, S; Cui, L; Kim, D; Park, JS; Ryu, M*

*Enhanced Antibacterial Activity of Silver-Coated Kapok Fibers Through Dopamine Functionalization.*

***WATER, AIR & SOIL POLLUTION, 226(1): 2241 2015***

1. *Zille, A; Oliveira, FR; Souto, AP*

*Plasma Treatment in Textile Industry.* ***PLASMA PROCESS AND POLYMERS, 12 (2): 98-131 2015***

1. *Onggar, T; Shayed, MA; Hund, RD; Cherif, C*

*Silvering of three-dimensional polyethylene terephthalate textile material by means of wet-chemical processes.*

[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***85 (6): 658-670 2015***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO2/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Vukoje, ID; Džunuzović, E S; Lončarević, DR; Dimitrijević, S.; Ahrenkiel, S P; Nedeljković, JM*

*Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly (GMA‐co‐EGDMA) polymer support. ,****POLYMER COMPOSITES, 2015, DOI: 10.1002/pc.23684***

1. *Shalaby, SE; Al-Balakocy, NG; Abo El-Ola, SM; Beliakova, MK;Elshafei, AM*

[*Functional finishing of polyester and polyester cotton blended fabrics with zinc oxide nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84908040899&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=25CE3D8C569423D1A4237D2EA8BFCF9F.Vdktg6RVtMfaQJ4pNTCQ%3a370&sot=cite&sdt=a&sl=0&relpos=5&relpos=5&citeCnt=0&searchTerm=)

[***INTERNATIONAL JOURNAL OF APPLIED CHEMISTRY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=19700173002&origin=resultslist)  ***10 (1): 77-94 2014***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. *Vukoje, ID; Tomašević-Ilić, TD;...& Nedeljković, JM*

*Silver film on nanocrystalline TiO2 support: Photocatalytic and antimicrobial ability*

***MATERIALS RESEARCH BULLETIN, 60: 824-829 2014***

1. *Sadeghnejad, A; Aroujalian, A; Raisi, A; Fazel, S*

*Antibacterial nano silver coating on the surface of polyethylene films using corona discharge*

***SURFACE AND COATINGS TECHNOLOGY,*** [***245:***](http://dx.doi.org/10.1016/j.surfcoat.2014.02.023) ***1-8, 2014***

1. *Mukherji, S; Ruparelia, J; Agnihotri,S*

*Antimicrobial activity of silver and copper nanoparticles: Variation in sensitivity across various strains of bacteria and fungi* ***Nano-Antimicrobials: Progress and Prospects, Book Chapter,* *Springer-Verlag Berlin Heidelberg, ISBN: 978-364224428-5;3642244270;978-364224427-8, pp. 225-251, 2014***

1. *Radić, N*

*Atmospheric Pressure Plasma Activation and* *Nano-Modification of Polypropylene Nonwoven Fabrics.*

***Masaryk University, Faculty of science, Brno, Dissertation, 2014****.* *http://is.muni.cz/th/320373/prif\_d/RadicN.pdf*

1. *Patil, RS*

*Synthesis characterization and applications of nanosilver and silver loaded zinc oxide*

[***Shivaji University***](http://shodhganga.inflibnet.ac.in/jspui/browse?type=publisher&value=Shivaji+University)***,*** [***Department of Chemistry***](http://shodhganga.inflibnet.ac.in/jspui/handle/10603/4021)***, Dissertation, 2014,*** [***http://hdl.handle.net/10603/25449***](http://hdl.handle.net/10603/25449)

1. *Radetić, M*

*Functionalization of textile materials with TiO2 nanoparticles*

***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLIGY C: PHOTOCHEMISTRY REVIEWS, 16: 62 - 76 2013***

1. [*Budama, L;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36183916300&zone=)[*Çakir, BA;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55446472700&zone=)[*Topel, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24477745200&zone=)[*Hoda, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507033848&zone=)

[*A new strategy for producing antibacterial textile surfaces using silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878773119&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a640&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***CHEMICAL ENGINEERING JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=16398&origin=resultslist)  ***228: 489-495 2013***

1. *Shalaby, SE;**Abo El-Ola, SM, AL-Blakocy, NG; Beliakova, MK; Afify, H*

*Effect of Surface Activation Method of PET and PET/C Blended Fabrics on its Functional Finishing with TiO 2 Nanoparticles,****JOURNAL OF APPLIED SCIENCES RESEARCH, 9(3): 1731-1742 2013***

1. *Shalaby, SE; Al-Balakocy, N G; El-Ola, A; Elshafei, AM*

*Effect of Surface Activation of Nylon-6 Fabrics by Plasma and Grafting With vinyl Monomers on Its Functional Finishing With TiO2 Nanoparticles,****JOURNAL OF APPLIED SCIENCES RESEARCH, 9(3): 1743-1753 2013***

1. [*Vu, NK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55622491500&zone=)[*Zille, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7801341189&zone=)[*Oliveira, FR;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35181742400&zone=)[*Carneiro, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14049991500&zone=)[*Souto, AP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004255232&zone=)

*Effect of particle size on silver nanoparticle deposition onto dielectric barrier discharge (DBD) plasma functionalized polyamide fabric,****PLASMA PROCESSES AND POLYMERS, 10 (3):285-296 2013***

1. [*Radić, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26538970900&zone=)[*Obradović, BM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004066714&zone=)[*Kostić, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35233853000&zone=)[*Dojčinović, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12040764400&zone=)[*Hudcová, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36699734200&zone=)[*Kuraica, MM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602162822&zone=)[*Černák, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603926040&zone=)

[*Deposition of gold nanoparticles on polypropylene nonwoven pretreated by dielectric barrier discharge and diffuse coplanar surface barrier discharge*](http://www.scopus.com/record/display.url?eid=2-s2.0-84873410065&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=58754ACA26B5621A6394446D519ED5AC.ZmAySxCHIBxxTXbnsoe5w%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****PLASMA CHEMISTRY AND PLASMA PROCESSING, 33 (1):201-218 2013***

1. [*Khajavi, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15837163400&zone=)[*Bahadoran, MMS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55531382100&zone=)[*Bahador, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12751903300&zone=)[*Khosravi, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55530787400&zone=)

[*Removal of microbes and air pollutants passing through nonwoven polypropylene filters by activated carbon and nanosilver colloidal layers*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871220137&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a590&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***JOURNAL OF INDUSTRIAL TEXTILES, 42 (3):219-230 2013***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. *Dave, H; Ledwani, L; Nema, SK*

*Application of non-thermal plasma for surface modification of polyester textiles*

***COMPUTATIONAL AND EXPERIMENTAL CHEMISTRY: DEVELOPMENTS AND APPLICATIONS, CRC PRESS, TAYLOR& FRANCIS GROUP, ISBN 13:978-1-926895-29-1, CHAPTER 7, p.145, 2013***

1. *Gorjanc, M; Gorenšek, M; Jovančić, P; Mozetič, M*

*Multifunctional Textiles – Modification by Plasma, Dyeing and Nanoparticles*

***ECO-FRIENDLY TEXTILE DYEING AND FINISHING, INTECH, 3-31 2013****,* [*http://dx.doi.org/10.5772/53376*](http://dx.doi.org/10.5772/53376)

1. *Gashti, MP; Assefipour, R; Almasian, A*

*Effect of Enzymatic Hydrolysis of Polyamide 6, 6 with Mixtures of Proteolytic and Lipolytic Enzymes on Dyeability*

***JOURNAL OF COLOR SCIENCE AND TECHNOLOGY, 2013, http://www.jcst.icrc.ac.ir***

1. *Mohamed, NH*

*Surface Modification of Synthetic Fibers for Antibacterial Applications*

***Doctoral dissertation, Universität Duisburg-Essen, Fakultät für Chemie 2013***

1. *Radić, N; Obradović, BM; Kostić, M; Dojčinović, B; Kuraica, MM; Černák, M*

*Deposition of silver ions onto DBD and DCSBD plasma treated nonwoven polypropylene*

***SURFACE AND COATING TECHNOLOGY, 206 (23): 5006-5011 2012***

1. [*Freeman, AI*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16645385900&zone=)*;* [*Halladay, L.J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37007454900&zone=)*;* [*Cripps, P*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004662444&zone=)

[*The effect of silver impregnation of surgical scrub suits on surface bacterial contamination*](http://www.scopus.com/record/display.url?eid=2-s2.0-84861869237&origin=resultslist&sort=plf-f&cite=2-s2.0-77951270173&src=s&imp=t&sid=2oCaVYlOPXfr142x7iWEG_L%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***VETERINARY JOURNAL, 192 (3): 489-493 2012***

1. *Zhang, D; Toh, GW; Lin, H; Chen, YY*

[*In situ synthesis of silver nanoparticles on silk fabric with PNP for antibacterial finishing*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=7&SID=X1mNGHHdgb122b7kdM2&page=1&doc=1)

***JOURNAL OF MATERIALS SCIENCE, 47(15): 5721-5728 2012***

1. *Suparna, M; Ruparelia, J; Agnihotri, S*

*Antimicrobial activity of silver and copper nanoparticles: variation in sensitivity across various strains of bacteria and fungi,****NANO-ANTIMICROBIALS, SPRINGER BERLIN HEIDELBERG, 225-251 2012***

1. [*Zapata, PA*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24469397200&zone=)*;* [*Tamayo, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=45961650600&zone=)*;* [*Páez, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35424442200&zone=)*;* [*Cerda, E*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35313689300&zone=)*;* [*Azócar, I*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507750478&zone=)*;* [*Rabagliati, FM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003336886&zone=)

[*Nanocomposites based on polyethylene and nanosilver particles produced by metallocenic "in situ" polymerization: Synthesis, characterization, and antimicrobial behavior*](http://www.scopus.com/record/display.url?eid=2-s2.0-79961173557&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=kibBGW_Fzq73lh3HTMGQPXf%3a350&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* [***EUROPEAN POLYMER JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=25854&origin=resultslist) ***47 (8): 1541-1549 2011***

1. *Widodo, M*

*Plasma Surface Modification of Polyaramid Fibers for Protective Clothing****.***

***Dissertation, North Carolina State University, 2011,*** ***261 pages, http://gradworks.umi.com/34/63/3463843.html***

1. [*Nam, S;*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=R1d8HgCeLle7kNN@GkG&field=AU&value=Nam,%20S) [*Parikh, DV*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=R1d8HgCeLle7kNN@GkG&field=AU&value=Parikh,%20DV) *;* [*Condon, BD*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=R1d8HgCeLle7kNN@GkG&field=AU&value=Condon,%20BD)*;* [*Zhao, Q*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=R1d8HgCeLle7kNN@GkG&field=AU&value=Zhao,%20Q)*;* [*Yoshioka-Tarver, M*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=R1d8HgCeLle7kNN@GkG&field=AU&value=Yoshioka-Tarver,%20M)

[*Importance of poly(ethylene glycol) conformation for the synthesis of silver nanoparticles in aqueous solution*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=4&SID=R1d8HgCeLle7kNN@GkG&page=1&doc=1&cacheurlFromRightClick=no)

***JOURNAL OF NANOPARTICLE RESEARCH, 13 (9): 3755-3764 2011***

1. *Patil, RS*

*Synthesis characterization and applications of nanosilver and silver loaded zinc oxide.*

***Doctoral dissertation,***[***Department of Chemistry***](http://shodhganga.inflibnet.ac.in/jspui/handle/10603/4021)***,*** [***Shivaji University***](http://shodhganga.inflibnet.ac.in/jspui/browse?type=publisher&value=Shivaji+University)***, Kolhapur, India, 2011*** [*http://hdl.handle.net/10603/25449*](http://hdl.handle.net/10603/25449)

1. *Molina, R; Esquena, J; Erra, P*

[*Interfacial Processes in Textile Materials: Relevance to Adhesion*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=9&SID=W1295o7i8HlKoHBpf84&page=1&doc=1&cacheurlFromRightClick=no)

*JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 24(1): 7-33 2010*

1. [*Dastjerdi, R;*](http://www.scopus.com/search/submit/author.url?author=Dastjerdi%2c+R.&origin=resultslist&authorId=25932052000&src=s)[*Montazer, M*](http://www.scopus.com/search/submit/author.url?author=Montazer%2c+M.&origin=resultslist&authorId=35311296300&src=s)

*A review on the application of inorganic nano-structured materials in the modification of textiles: Focus on anti-microbial properties ,****COLLOIDS AND SURFACES B***[***: BIOINTERFACES***](http://www.scopus.com/source/sourceInfo.url?sourceId=26590&origin=resultslist)***, 79 (1):5-18 2010***

1. *Gorjanc, M; Gorensek, M*

[*Cotton functionalization with plasma*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=5&SID=R1Nl5LiLniba4o5MmJa&page=1&doc=1)*JOURNAL OF TEXTILE & CLOTHING TECHNOLOGY, 59(1-2): 11-19 2010*

1. *Gorjanc, M; Gorensek, M*

[*Cotton functionalization with plasma*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=5&SID=R1Nl5LiLniba4o5MmJa&page=1&doc=1) ***JOURNAL OF TEXTILE & CLOTHING TECHNOLOGY****, 59(1-2): 20-29 2010*

1. [*Torres, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Torres%20A&ut=000282017700013&pos=1)*;* [*Ruales, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Ruales%20C&ut=000282017700013&pos=2)*;* [*Pulgarin, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Pulgarin%20C&ut=000282017700013&pos=3)*;* [*Aimable, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Aimable%20A&ut=000282017700013&pos=4)*;* [*Bowen, P*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Bowen%20P&ut=000282017700013&pos=5)*;* [*Sarria, V*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Sarria%20V&ut=000282017700013&pos=6)*; Kiwi, J*

[*Innovative High-Surface-Area CuO Pretreated Cotton Effective in Bacterial Inactivation under Visible Light*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=9&SID=N2iMc2fg5aCh2hIC42B&page=1&doc=2&cacheurlFromRightClick=no)

*ACS APPLIED MATERIALS & INTERFACES,**2* ***(****9)****:*** *2547-2552**2010*

1. *Li, ZQ; Li, BQ; Qin, ZX;* [*Lu, X*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Lu%20X&ut=000282429400028&pos=4)

[*Fabrication of porous Ag by dealloying of Ag-Zn alloys in H2SO4 solution*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=13&SID=N2iMc2fg5aCh2hIC42B&page=1&doc=1&cacheurlFromRightClick=no)

*JOURNAL OF MATERIALS SCIENCE,**45* ***(****23)****:*** *6494-6497 2010*

1. [*Lee, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35368960700)[*Kang, H*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25960913000)*;* [*Kim, C*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36537315600)*;* [*Shin, K*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23393662100)

[*A novel method to guarantee the specified thickness and surface roughness of the roll-to-roll printed patterns using the tension of a moving substrate*](http://www.scopus.com/record/display.url?eid=2-s2.0-77957590018&origin=resultslist&sort=plf-f&cite=2-s2.0-70349566539&src=s&imp=t&sid=LYl4WDvpVt4pkYIOiTCh_jg%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)*,*[***JOURNAL OF MICROELECTROMECHANICAL SYSTEMS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17276&origin=resultslist) ***19 (5), art. no. 5565391: 1243-1253 2010***

1. [*Levy, I;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36602724400)[*Magdassi, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35561536000)*;* [*Mandler, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35237660700)

*Potential induced pH change: Towards electrochemical coating of medical implants by organic nanoparticles*

***ELECTROCHEMICA ACTA, 55 (28): 8590-8594 2010***

1. [*Gorjanc, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23990545900)*;* [*Bukošek, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701839471)*;* [*Gorenšek, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35605394200)*;* [*Mozetič, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35240653400)

*CF4 plasma and silver functionalized cotton,*[***TEXTILE RESEARCH JOURNAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17159&origin=resultslist)  ***80 (20): 2204-2213 2010***

1. *Petrović, Z Lj;* [*Maguire*](http://link.springer.com/search?facet-author=%22Paul+Maguire%22)*, P;* [*Radmilović-Radjenović*](http://link.springer.com/search?facet-author=%22Marija+Radmilovi%C4%87-Radjenovi%C4%87%22)*,M;* [*Radetić*](http://link.springer.com/search?facet-author=%22Maja+Radeti%C4%87%22)*,M;* [*Puač*](http://link.springer.com/search?facet-author=%22Nevena+Pua%C4%8D%22)*, N;* [*Marić*](http://link.springer.com/search?facet-author=%22Dragana+Mari%C4%87%22)*, D;* [*Mahony*](http://link.springer.com/search?facet-author=%22Charles+Mahony%22)*,C;* [*Malović*](http://link.springer.com/search?facet-author=%22Gordana+Malovi%C4%87%22)*, G*

*On Application of Plasmas in Nanotechnologies,****NANOTECHNOLOGY FOR ELECTRONICS, PHOTONICS, AND RENEWABLE ENERGY, SPRINGER, NEW YORK, 85-130 2010***

17. [Dzunuzović, E;](http://www.scopus.com/search/submit/author.url?author=Dzunuzovic+E.&origin=resultslist&authorId=6506190033) [**Vodnik, V;**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.&origin=resultslist&authorId=6508327780) [Jeremić, K;](http://www.scopus.com/search/submit/author.url?author=Jeremic+K.&origin=resultslist&authorId=6701486495) [Nedeljković, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=7003632042)

*Thermal properties of PS/TiO2 nanocomposites obtained by in situ bulk radical polymerization of styrene*

**MATERIALS LETTERS, 63 (11): 908-910 2009**

1. *Erol, İ.; Khamidov, G;… & Palmisano, L*

*Hydrothermal synthesis of bare TiO2 nanowires and polystyrene (PS)-TiO2 nanowires used for selective photocatalytic oxidation of 3-pyridinemethanol in water and PS photodegradation in solid state.****RESEARCH ON CHEMICAL INTERMEDIATES, 50: 4641–4671 2024***

1. *Besoncon, M; Yanhui, W;...& Bounor-legare, M*

*Tuning Polymer/TiO2 Nanocomposites Morphology by In Situ Non-Hydrolytic Sol-Gel Syntheses in Viscous Polymer Medium: Influence of the Polymer Nature and Oxygen Donor,* ***POLYMERS 14(11):2273 2022***

1. *Cui, G; Ning, F;... & Zhou, Q*

*Particle migration and formation damage during geothermal exploitation from weakly consolidated sandstone reservoirs via water and CO2 recycling.* ***ENERGY, 240: 122507 2022***

1. *Kumar, A; Saha, A; Kumar, S*

*Structural Analysis of Sol-Gel Derived TiO2 Nanoparticles: A Critical Impact of TiO2 Nanoparticles on Thermo-Mechanical Mechanism of Glass Fiber Polymer Composites* ***RESEARCH SQUARE, 2021, DOI: 10.21203/rs.3.rs-539836/v1***

1. *Ingle, KKA; Zamre, GS; Thorat, PV*

*Mechanical, Morphological and Chemical properties of Bio-degradable Nanocomposite Poly-Lactic acid/Mgo.*

***INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND APPLICATION, 11(6): 37-41 2021***

1. *Kumar, A; Saha, A; Kumar, S*

*Structural analysis of sol-gel derived TiO2 nanoparticles: a critical impact of TiO2 nanoparticles on thermo-mechanical mechanism of glass fiber polymer composites*

***JOURNAL OF POLYMER RESEARCH, 2021, DOI: 10.1007/s10965-02021, 21-02799-1***

1. *Anane-Fenin, K*

*Advanced Fibre Reinforced Material: Non-Crimp Composites.*

***Doctoral thesis,* *University of Johannesburg (South Africa), 2020, http://hdl.handle.net/10210/443779***

1. *Hamzah, MQ; Mezan, SO; Tuama, AN; Jabbar, AH; Agam, MA*

*Study and Characterization of Polystyrene/Titanium Dioxide Nanocomposites (PS/TiO2 NCs) for Photocatalytic Degradation Application: a Review.* ***INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY, 7(4.30): 538-543 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Hosseinzadeh, S; Pashaei, S; Moludpoor, N*

*Fabrication and Characterization of Nanostructured TiO2 and Turmeric Spent Incorporated Polystyrene Hybrid Nano Composites.* ***IRANIAN CHEMICAL COMMUNICATION, 5: 18-32 2017***

1. *Kwame, AF*

*Advanced fibre reinforced material: non-crimp composites*

***Dissertation, University of Johannesburg, 2017, http://hdl.handle.net/102000/0002***

1. *Kausar, A; Rafique, I; Anwar, Z; Muhammad, B*

*Recent Developments in Different Types of Flame Retardant and Effect on Fire Retardancy of Epoxy Composite.*

***POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, 2016, doi:10.1080/03602559.2016.1163607***

1. *Zenteno, A; Guerrero, S; Ulloa, M T; Palza, H; Zapata, PA*

*Effect of hydrothermally synthesized titanium nanotubes on the behaviour of polypropylene for antimicrobial applications,****POLYMER INTERNATIONAL, 64 (10): 1442-1450 2015***

1. *Radoman, TS; Terzić, N; Spasojević, PM; Džunuzović, JV; Marinković, AD; Jeremić, KB; Džunuzović, E S*

*Synthesis and characterization of the surface modified titanium dioxide/epoxy nanocomposites.*

***ADVANCED TECHNOLOGIES,* *4(1):07-15 2015***

1. *Radosavljević A; Krstić J; Spasojević J; Kačarević-Popović Z*

*Radiolytic synthesis of nanocomposites based on noble metal nanoparticles and natural polymer, and their application as biomaterial,* ***Radiation Curing of Composites for Enhancing Their Features and Utility in Health Care and Industry'', Chapter 11, pp. 219-234, 2015, http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.739.857&rep=rep1&type=pdf#page=225***

1. *Krstić, J; Spasojević, J;* [*Radosavljević, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55900978800&zone=)[*Šiljegovć, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55901256000&zone=)[*Kačarević-Popović, Z*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55900957900&zone=)

[*Optical and structural properties of radiolytically in situ synthesized silver nanoparticles stabilized by chitosan/poly(vinyl alcohol) blends*](http://www.scopus.com/record/display.url?eid=2-s2.0-84886436453&origin=resultslist&sort=plf-f&cite=2-s2.0-84859323556&src=s&imp=t&sid=B48AEE10CDFE2C54E2FDBDD8E991A562.iqs8TDG0Wy6BURhzD3nFA%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,*[***RADIATION PHYSICS AND CHEMISTRY***](http://www.scopus.com/source/sourceInfo.url?sourceId=29513&origin=resultslist)  ***96:158-166 2014***

1. *Radoman, TS: Džunuzović, JV; Jeremić, KB; Grgur, BN; Miličević, DS; Popović, IG; Džunuzović, ES*

*Improvement of epoxy resin properties by incorporation of TiO2 nanoparticles surface modified with gallic acid esters.*

***MATERIALS & DESIGN, 62:158-167 2014***

1. *Herrera-Sandoval, GM; Baez-Angarita,DB; Correa-Torres,SN; Primera-Pedrozo,OM; Hernández-Rivera SP*

*Novel EPS/TiO2 Nanocomposite Prepared from Recycled Polystyrene*

***MATERIALS SCIENCE AND APPLICATIONS, 4(3): 179-185 2013***

1. [*Džunuzovic, ES;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506190033&zone=)…&[*Nedeljkovic, JM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)

[*Characterization of in situ prepared nanocomposites of PS and TIO 2 nanoparticles surface modified with alkyl gallates: Effect of alkyl chain length*](http://www.scopus.com/record/display.url?eid=2-s2.0-84874108903&origin=resultslist&sort=plf-f&cite=2-s2.0-84859894690&src=s&imp=t&sid=84997BAA4A72C3CB861FF31E0A5D4832.CnvicAmOODVwpVrjSeqQ%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****POLIMER COMPOSITES,******34 (3):399-407 2013***

1. [*Nguyen, VG;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55334848200&zone=)[*Thai, H;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36197594700&zone=)[*Mai, DH;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55335155500&zone=)[*Tran, HT;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55334093700&zone=)[*Tran, DL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55376792900&zone=)[*Vu, MT*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55377361400&zone=)

[*Effect of titanium dioxide on the properties of polyethylene/TiO 2 nanocomposites*](http://www.scopus.com/record/display.url?eid=2-s2.0-84869490987&origin=resultslist&sort=plf-f&cite=2-s2.0-60749117985&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a400&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***COMPOSITES PART B: ENGINEERING***](http://www.scopus.com/source/sourceInfo.url?sourceId=28635&origin=resultslist)***, 45 (1):1192-1198 2013***

1. [*Radoicic, MB;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=23052093100&zone=)[*Šaponjic, ZV;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=6603558005&zone=)[*Marinovic-Cincovic, MT;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=16834928000&zone=)[*Ahrenkiel, SP;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=35493941200&zone=)[*Bibic, N;*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=7004112374&zone=)[*Nedeljkovic, JM*](http://www.scopus.com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)

*The influence of shaped TiO2 nanofillers on the thermal properties of poly(vinyl alcohol)*

***JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 77 (5): 699-714 2012***

1. *Da Silva, VD*

*Síntese e caracterização de nanocompósitos poliuretano/dióxido de titânio*

***Doctoral dissertation, PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO GRANDE DO SUL, Brasil,2012***

***http://tede.pucrs.br/tde\_arquivos/12/TDE-2012-02-08T071635Z-3614/Publico/436433.pdf***

1. [*Boucher, VM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15736648600&zone=)*;* [*Cangialosi, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602567688&zone=)*;* [*Alegría, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7005913020&zone=)*;* [*Colmenero, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35232869200&zone=)*;* [*Pastoriza-Santos, I;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603491232&zone=)[*Liz-Marzan, LM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=34571019900&zone=)

*Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression*

[***SOFT MATTER,***](http://www.scopus.com/source/sourceInfo.url?sourceId=145691&origin=resultslist)  ***7 (7): 3607-3620 2011***

1. [*Wu, Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=53980931600&zone=)*;* [*Song, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35301086400&zone=)*;* [*Hu, Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35261989400&zone=)

[*Fabrication and characterization of TiO2 nanotube-epoxy nanocomposites*](http://www.scopus.com/record/display.url?eid=2-s2.0-80055053540&origin=resultslist&sort=plf-f&cite=2-s2.0-60749117985&src=s&imp=t&sid=6vwFH_1AXahF1jKDOjZ3Qr3%3a500&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 50 (21): 11988-11995 2011***

1. *Torabi, AM; Asgharnejad, L; Maleki, F; Goudarzi, V*

*The Effect of Surface Improvement of TiO 2 Nanoparticles on the Properties of UP / TiO 2 Nanocomposites*

***NANO MATERIALS (NANOMATERIAL MATERIALS RESEARCH), 3(7):1-7 2011, http://www.sid.ir/fa/journal/ViewPaper.aspx?id=209153***

1. [*Rubio-Retama, J;*](http://www.scopus.com/search/submit/author.url?author=Rubio-Retama%2c+J.&origin=resultslist&authorId=6506833322&src=s)[*Zafeiropoulos, NE;*](http://www.scopus.com/search/submit/author.url?author=Zafeiropoulos%2c+N.E.&origin=resultslist&authorId=36054116400&src=s)[*Frick, B;*](http://www.scopus.com/search/submit/author.url?author=Frick%2c+B.&origin=resultslist&authorId=35232973200&src=s)[*Seydel, T;*](http://www.scopus.com/search/submit/author.url?author=Seydel%2c+T.&origin=resultslist&authorId=6602240300&src=s)[*López-Cabarcos, E*](http://www.scopus.com/search/submit/author.url?author=L%c3%b3pez-Cabarcos%2c+E.&origin=resultslist&authorId=35781956900&src=s)

*Investigation of the relationship between hydrogen bonds and macroscopic properties in hybrid core-shell γ-Fe2O3-P(NIPAM-AAS) microgels*[***LANGMUIR***](http://www.scopus.com/source/sourceInfo.url?sourceId=26987&origin=resultslist)***, 26 (10): 7101-7106 2010***

18. [**Vodnik, VV;**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.&origin=resultslist&authorId=6508327780) [Vuković, VJ;](http://www.scopus.com/search/submit/author.url?author=Jeremic+K.&origin=resultslist&authorId=6701486495) [Nedeljković, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=7003632042)

*Synthesis and characterization of silver-poly(methylmethacrylate) nanocomposites*

**COLLOID AND POLYMER SCIENCE, 287 (7): 847-851 2009**

1. *Fadhil, IA; Abdulraheem, SI;...&, & Oda, AM*

*Influence of Adding Silver Nanoparticles on Structural and Optical Characteristics of PMMA Nanopowders for Antibacterial Applications.* ***IRAQI JOURNAL OF APPLIED PHYSICS, 21(2): 286-290 2025***

1. *Singh, B; Dhiman, A;Sushil, SK*

*Designing silver nanoparticles impregnated acacia and tragacanth gum based copolymeric hydrogels for drug delivery applications,* ***RESULTS IN SURFACES AND INTERFACES 16(2):100256 2024***

1. *Jouamaa, A; Fengouchi, EI;…& Hasnaoui, EI*

*Thermal stability modeling of high molecular weight polymethylmethacrylate TiO2 nanocrystals nanocomposites: Effect of loading and morphology.****POLYMER COMPOSITES, 2024, https://doi.org/10.1002/pc.29324***

1. *Awad, MA, Hendi, A;...& Alshammeari, SG*

*Harnessing Aristolochia bracteolate bud extract for green synthesis and characterization of silver nanocomposite films: assessing their potent antimicrobial proficiency,* ***Journal of Taibah University for Science, 2024,DOI: 10.1080/16583655.2024.2379072***

1. *Tordi, P; Gelli, R;… & Bonini, M*

*A bioinspired and sustainable route for the preparation of Ag-crosslinked alginate fibers decorated with silver nanoparticles****. CARBOHYDRATE POLYMERS, 326: 121586 2024***

1. *Thabet, A; Al Mufadi, F; Ebnalwaled, AA*

*Synthesis and measurement of optical light characterization for modern cost-fewer polyvinyl chloride nanocomposites thin films.****TRANSACTIONS ON ELECTRICAL AND ELECTRONIC MATERIALS, 25(1): 98-109 2024***

1. *Li, H; Luo, R; Qu, J*

*Poly (methyl methacrylate‐co‐butyl acrylate) copolymer/Ag nanocomposites prepared by latex mixing for multifunctional coatings.****POLYMER COMPOSITES, 45(3): 2795-2808 2024***

1. *Jouamaa, A; Fengouchi, IE;...&Hasnaoui, ME*

*Thermal stability modeling of high molecular weight polymethylmethacrylate TiO 2 nanocrystals nanocomposites: Effect of loading and morphology,* ***POLYMER COMPOSITES 2024, DOI: 10.1002/pc.29324***

1. *Nayaki, VT; Karthigeyan, S;...&Ranganathan, A*

*Chemical characterization of silanized silver nanoparticles impregnated in poly (methyl methacrylate) resin: An in vitro study*

***THE JOURNAL OF INDIAN PROSTHODONTIC SOCIETY 23(1):45 2023***

1. *Vijayatha M; Vijayalaxmi B;…& Aytam, HP*

*Visible and Solar Light Degradation of Ciprofloxacin and Norfloxacin using Titania Nanocomposite*

***ASIAN JOURNAL OF CHEMISTRY 35(9):2275-2284 2023***

1. *Thabet, A; Al Mufadi, F; Ebnalwaled, AA*

*Synthesis and Measurement of Optical Light Characterization for Modern Cost-fewer Polyvinyl Chloride Nanocomposites Thin Films,* ***TRANSACTIONS ON ELECTRICAL AND ELECTRONIC MATERIALS 24(6):1-12 2023***

1. *Tordi, P; Ridi, F; Bonini, M*

*A bioinspired and sustainable route for the preparation of Ag-crosslinked alginate fibers decorated with silver nanoparticles*

***CARBOHYDRATE POLYMERS, 2023, DOI: 10.1016/j.carbpol.2023.121586***

1. *Li, H; Luo, R; Qu, J*

*Poly(methyl methacrylate‐co‐butyl acrylate) copolymer/ Ag nanocomposites prepared by latex mixing for multifunctional coatings*

***POLYMER COMPOSITES, 2023, DOI: 10.1002/pc.27958***

1. *Gligorijević, N; Mihajlov-Krstev, T;...& Bernstein, N*

*Antimicrobial Properties of Silver-Modified Denture Base Resins,* ***NANOMATERIALS 12(14):2453 2022***

1. *Ocaya, RO; Erol. I;...&* *Yakuphanoğlu, F*

*ZnO-doped PFPAMA: a novel transparent conducting polymer for fast photodiodes*

***JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, 2022, DOI: 10.1007/s10854-022-09192-8***

1. *Gad, MM; Abualsaud, R;… & Fouda, SM*

*Double-layered acrylic resin denture base with nanoparticle additions: An in vitro study.*

***THE JOURNAL OF PROSTHETIC DENTISTRY, 127(1): 174-183 2022***

1. *Racles, C; Asandulesa, M; ... & Ciomaga, C*

*Elastic Composites with PDMS matrix and Polysulfone-Supported Silver Nanoparticles as Filler.*

***POLYMER, 2021,* *https://doi.org/10.1016/j.polymer.2021.123480***

1. *Rouabah, N; Boudine, B;…& Syed, R*

*Nanocomposite synthesis of silver doped magnesium oxide incorporated in PVC matrix for photocatalytic applications.*

***J POLYM RES 28: 154 2021***

1. *Hasan, I; Khan, RS;....&Alslame, A*

*Synthesis, characterization and photo-catalytic activity of guar-gum- g -aliginate@silver bionanocomposite material*

***RSC ADVANCES 10(13):7898-7911 2020***

1. *Abdeldaym, A; Elhady, MA*

*Role of copper oxide nanoparticles and gamma irradiation in optimising mechanical and the DC-electrical properties of nylon 66.* ***JOURNAL OF COMPOSITE MATERIALS, 2020, https://doi.org/10.1177/0021998320918347***

1. *Krzywicka, A;Megiel, E*

*Silver-Polystyrene (Ag/PS) Nanocomposites Doped with Polyvinyl Alcohol (PVA)—Fabrication and Bactericidal Activity.****NANOMATERIALS, 10(11): 2245 2020***

1. *Gad, M. M., Abualsaud, R., Rahoma, A., Al-Thobity, A. M., Akhtar, S., & Fouda, S. M*

*Double-layered acrylic resin denture base with nanoparticle additions: An in vitro study.*

***THE JOURNAL OF PROSTHETIC DENTISTRY, 2020, https://doi.org/10.1016/j.prosdent.2020.08.021***

1. *Yaqub, N; Farooq, W A; Alsalhi, MS*

*Delving into the properties of polymer nanocomposites with distinctive nano-particle quantities, for the enhancement of optoelectronic devices.* ***HELIYON, 6(11): E05597 2020, https://doi.org/10.1016/j.heliyon.2020.e05597***

1. *Lobo Júnior, EDO*

*Desenvolvimento e caracterização de métodos alternativos para prototipagem de dispositivos microfluídicos em poli (metil metacrilato)(PMMA).****Doctoral thesis, Universidade Federal de Goiás, Brasil, 2020, http://repositorio.bc.ufg.br/tede/handle/tede/10756***

1. *Awad, MA; Hendi, AA, Ortashi, KM;...&Soliman, D*

*Greener Synthesis, Characterization, and Antimicrobiological Effects of Helba Silver Nanoparticle-PMMA Nanocomposite,****INTERNATIONAL JOURNAL OF POLYMER SCIENCE, 4:1-7, 2019, DOI: 10.1155/2019/4379507***

1. *de Souza Neto, FN; Sala, RL; Fernandes, RA; Xavier, TPO; Cruz, SA; ... & de Camargo, ER*

*Effect of synthetic colloidal nanoparticles in acrylic resin of dental use.* ***EUROPEAN POLYMER JOURNAL, 112, 531-538 2019***

1. *Chopade, SS; Nangare, K; Bagal, V*

*Bionanocomposite: a novel approach for drug delivery system*

***INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH, 10(7):1000-07 2019, DOI:10.13040/IJPSR.0975-8232.10(7).1000-07***

1. *Cruz-Romero, MC; Azlin-Hasim, S; Morri, MA;,* *Kerry, JP*

*Application of Nanotechnology in Antimicrobial Active Food Packaging*

***Chapter in******Food Applications of Nanotechnology, 2019, ISBN 9780815383819 - CAT# K336493***

1. *Pentela, N; Duraipandy, N; Sainath, N; Parandhaman, T; Kiran, M S;, Das, SK.,.. & Samanta, D*

*Microcapsules from diverse polyfunctional materials: synergistic interactions for a sharp response to pH changes.*

***NEW JOURNAL OF CHEMISTRY, 42(11): 8366-8373 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,* ***Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Bhavitha, K; Nair, AK; Maria, HJ; Jose, J; Mayeen, A; Kala, MS;… & Kalarikkal, N*

*In-situ Dose dependent Gamma ray Irradiated Synthesis of PMMA-Ag nanocomposites films for multifunctional applications.****NEW JOURNAL OF CHEMISTRY, 2018, DOI:10.1039/C8NJ02684J***

1. *Wildner, W; Drummer, D*

*Nanofiller materials for transparent polymer composites: Influences on the properties and on the transparency—A review.****JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, 2018,******https://doi.org/10.1177/0892705718797157***

1. *Abareshi, M; Shahroodi, SM*

*Effects of silver nanoparticles on the thermal properties of polyethylene matrix nanocomposites.*

***JOURNAL OF******THERMAL ANALYSIS AND CALORIMETRY, 128(2): 1117-1124 2017***

1. *Fahmy, A; El-Zomrawy, A; Saeed, AM.; Sayed, AZ; El-Arab, MAE; Shehata, HA; Friedrich, J*

*One-step synthesis of silver nanoparticles embedded with polyethylene glycol as thin films.*

***JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 31(13): 1422-1440 2017***

1. *Velásquez Flores, CA*

*Síntesis y modificación de nanopartículas de plata mediante ablación láser*

***Doctoral dissertation, Quito, 2017, http://bibdigital.epn.edu.ec/handle/15000/17005***

1. *Stulz, E; Zhang, X; Carravetta, M; Carboni, M*

*Efficient NIR light blockage with matrix embedded silver nanoprism thin films for energy saving window coating.*

***JOURNAL OF MATERIALS CHEMISTRY C, 4(8): 1584-1588 2016***

1. *Praxedes, APP; Webler, GD; Souza, ST; Ribeiro, A S; Fonseca, E J S; de Oliveira, I N*

*Non-monotonic wetting behavior of chitosan films induced by silver nanoparticles.*

***APPLIED SURFACE SCIENCE,*** ***370: 25-31 2016***

1. *Al-Ramadhan, ZA; Salman, JA; Hmud, HAK*

*Optical and Morphological Properties of (PVA-PVP-Ag) Nanocomposites.*

***INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH, 5(3):1828-1836 2016***

1. *Siddiqui, MN; Redhwi, HH; Tsagkalias, I; Softas, C; Ioannidou, MD; Achilias, DS*

*Synthesis and characterization of poly (2-hydroxyethyl methacrylate)/silver hydrogel nanocomposites prepared via in situ radical polymerization.* ***THERMOCHIMICA ACTA, 643: 53-64 2016***

1. *Rajkumar, R; Nishanthini, P; Ashok, V; Devi, TN*

[*Investigation on Corrosion and Electrical Conductivity of Silver Nanoparticles embedded in Poly (o-toluidine) Nanocomposite*](http://scholar.google.com/scholar_url?url=https://www.researchgate.net/profile/Velladurai_Rama/publication/312234265_NEW_ADVANCES_IN_CHEMISTRY_AND_MATERIALS_ISBN_978-93-5258-236-5/links/5877cf3208ae6eb871d17855/NEW-ADVANCES-IN-CHEMISTRY-AND-MATERIALS-ISBN-978-93-5258-236-5.pdf%23page%3D197&hl=sr&sa=X&scisig=AAGBfm2ty8b0tC4K7p-yOUuuTkIdlTzoqw&nossl=1&oi=scholaralrt)

***NEW ADVANCES IN CHEMISTRY AND MATERIALS, ISBN: 978-93-5258-236-5, 187-195, 2016***

1. *El-Sayed, AA; Salama, M; Salem, T; Rehan, M*

*Synergistic Combination of Reduction and Polymerization Reactions to Prepare Silver/Waterborne Polyurethane Nanocomposite for Coating Applications.* ***INDIAN JOURNAL OS SCIENCE AND TECHNOLOGY,2016,* *DOI:*** [***10.17485/ijst/2016/v9i17/87216***](http://dx.doi.org/10.17485/ijst%2F2016%2Fv9i17%2F87216)

1. *Patwekar, SL*

*Nanobiocomposite: A New Approach to Drug Delivery System.*

***ASIAN JOURNAL OF PHARMACEUTICS, 10(04):* *S646-S656 2016***

1. *Abareshi, M; Shahroodi, SM*

*Effects of silver nanoparticles on the thermal properties of polyethylene matrix nanocomposites.*

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY****,* ***1-8, 2016, DOI: 10.1007/s10973-016-6036-z***

1. *Džunuzović, ES; Džunuzović, JV*

*Optical Properties of Nanocomposites.****Chapter in:Nanocomposite Material,s*** ***Synthesis, Properties and Applications,*** ***Taylor & Francis Group,******eBook ISBN: 978-1-4822-5818-9, p. 207–231, 2016***

1. *Sanipatín, A.A. F.*

*Diseño del proceso de fabricación de láminas plásticas con actividad bactericida a partir de polimetilmetacrilato y nanopartículas de plata* ***Doctoral dissertation, Quito,*** [***Facultad de Ingeniería Química y Agroindustria,***](http://bibdigital.epn.edu.ec/handle/15000/20) ***2016***

[***http://bibdigital.epn.edu.ec/handle/15000/14782***](http://bibdigital.epn.edu.ec/handle/15000/14782)

1. *Karoutsos, V; Koutselas;...&Perrone, A*

*One-pot synthesis and transfer of PMMA/Ag photonic nanocomposites by pulsed laser deposition*

***APPLIED PHYSICS A, 120:707-716 2015***

1. *Torrisi, V; Ruffino, F*

*Metal-Polymer Nanocomposites:(Co-) Evaporation/(Co) Sputtering Approaches and Electrical Properties.* ***COATINGS, 5(3): 378-424 2015***

1. *Shah, R; Kausar, A; Muhammad, B*

*Exploration of polythiophene/graphene, poly (methyl methacrylate)/graphene and polythiophene-co-poly (methyl methacrylate)/graphene nanocomposite obtained via in-situ technique.*

***JOURNAL OF PLASTIC FILM AND SHEETING, 31 (2): 144-157 2015***

1. *Cheviron, P; Gouanvé, F; Espuche, E*

*Effect of silver nanoparticles' generation routes on the morphology, oxygen, and water transport properties of starch nanocomposite films,****JOURNAL OF NANOPARTICLE RESEARCH, 17(9):1-16 2015***

1. *Siddiqui, MN; Redhwi, HH; Vakalopoulou, E; Tsagkalias, I; Ioannidou, MD; Achilias, DS*

*Synthesis, characterization and reaction kinetics of PMMA/silver nanocomposites prepared via in situ radical polymerization.* ***EUROPEAN POLYMER JOURNAL, 72:256-269 2015***

1. *Cheviron, P*

*Nanostructuration de films nanocomposites amidon/argent et amidon/argent/montmorillonites par procédé de «chimie verte»: influence des voies de génération des nanoparticules métalliques sur la structure et les propriétés de transport*

***Doctoral dissertation, Polymers, Université Claude Bernard-Lyon I, 2015***

[***https://tel.archives-ouvertes.fr/tel-01150851***](https://tel.archives-ouvertes.fr/tel-01150851)***; http://scholar.google.com/scholar***

1. *Jiang, T; Li, J; Zhang, L; Wang, B; Zhou, J*

*Microwave assisted in situ synthesis of Ag-NaCMC films and their reproducible surface-enhanced Raman scattering signals,****JOURNAL OF ALLOYS AND COMPOUNDS, 602:94 –100 2014***

1. *Chandrakala, HN; Bommulu, R;* *Shivakumaraiah; Siddaramaiah*

*Influence of lithium potassium zirconate nanoparticles on the electrical properties and structural characteristics of poly(vinyl alcohol) films****,JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS,*** [***75(2***](http://www.sciencedirect.com/science/journal/00223697/75/2)***):252–258 2014***

1. *Chandrakala, HN; Shivakumaraiah, H;… & Chinmayee, S*

*Poly (vinyl alcohol)/zincoxide-ceriumoxide nanocomposites: electrical, optical, structural and morphological characteristics.****INDIAN J. ADV. CHEM. SCI, 2: 103-106 2014***

1. *Singho, ND; Johan, MR; Lah, NA*

*Temperature-dependent properties of silver-poly (methylmethacrylate) nanocomposites synthesized by in-situ technique.* ***NANOSCALE RESEARCH LETTERS, 9(1): 42 2014***

1. *Dennis, C; Vidhya, S; Shadak Alee, K; Narayana Rao, D*

*Synthesis and characterisation silver nanoparticles embedded in emulsified isobutyl acrylate*

***INTERNATIONAL JOURNAL OF NANOSCIENCE, 12(5):1350041 2013***

1. *Chandrakala, HN; Madhu, GM*

*Investigation on optical and dielectric behaviors of PVA/Li2ZrO3 nanocomposites*

***INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH, 1(4):410-416 2013***

1. *Ombaba, MM; Hasegawa, T; Lu, L; Yasuda, Y; Nishida, MK; Koh, S; Islam, MS*

*Hierarchical Silver Nanoparticle Micro-Clustering in Poly (methyl methacrylate) Matrix in Spin-Coatable Electrically Conductive Thermoplastics,****SCIENCE OF ADVANCED MATERIALS, 5(11):1546-1555 2013***

1. *Fateixa, S; Daniel-da-Silva, AL; Jordão, N; Barros-Timmons, A; Trindade, T*

*Effect of colloidal silver and gold nanoparticles on the thermal behavior of poly(t-butyl acrylate) composites*

***COLLOID AND SURFACE A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 436: 231 – 236 2013***

1. [*Abdelaziz, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003905803&zone=)[*Abdelrazek, EM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602960731&zone=)

[*Thermal-optical properties of polymethylmethacrylate/silver nitrate films*](http://www.scopus.com/record/display.url?eid=2-s2.0-84883096232&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a390&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

***JOURNAL OF ELECTRONIC MATERIALS, 42 (9): 2743-2751 2013***

1. [*Chandrakala, HN;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55308100200&zone=)[*Ramaraj, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=11241255600&zone=)[*Shivakumaraiah*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7409848273&zone=)*,* [*Madhu, GM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603238731&zone=)[*Siddaramaiah*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55295907200&zone=)

*Preparation of polyvinyl alcohol-lithium zirconate nanocomposite films and analysis of transmission, absorption, emission features, and electrical properties,****JOURNAL OF PHYSICAL CHEMISTRY C, 117 (9):4771-4781 2013***

1. [*Pal, MK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=19337398900&zone=)[*Gautam, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42161176600&zone=)

[*Effects of inorganic nanofillers on the thermal degradation and UV-absorbance properties of polyvinyl acetate*](http://www.scopus.com/record/display.url?eid=2-s2.0-84872486537&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=35B9434121ABFD2B169E6BF64D8E63FC.aqHV0EoE4xlIF3hgVWgA%3a640&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 111(1): 689-701 2013***

1. *Chen, C; Li, J; Luo, G; Xiong, Y; Zhang, QSL*

[*Size-controlled in situ synthesis and photo-responsive properties of silver/poly(methyl methacrylate) nanocomposite films with high silver content*](http://www.scopus.com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84864712289&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=I70FSKomf6ZrxT356g-yVps%3a430&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****APPLIED SURFACE SCIENCE, 258 (24): 10180-10184 2012***

1. *Demir, MM; Wegner, G*

*Challenges in the preparation of optical polymer composites with nanosized pigment particles: A review on recent efforts,****MACROMOLECULAR MATERIALS AND ENGINEERING, 297 (9): 838-863 2012***

1. *Xiong, Y; Luo, G; Chen, C; Yuan, H; Shen, Q; Li, M*

*In situ synthesis of zero-valent silver nanoparticles in polymethylmethacrylate under high temperature*

***APPLIED SURFACE SCIENCE, 258 (15): 5822-5826*** ***2012***

1. [*Pal, MK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55045324600&zone=)*; Gautam, J*

[*Synthesis and characterization of polyacrylamide-calcium carbonate and polyacrylamide-calcium sulfate nanocomposites*](http://www.scopus.com/record/display.url?eid=2-s2.0-84858445112&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=iEvBguyul9bR3Kyf6peAbcU%3a270&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***POLYMER COMPOSITES,***](http://www.scopus.com/source/sourceInfo.url?sourceId=14433&origin=resultslist)  ***33 (4): 515-523 2012***

1. [*Pal, MK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42161984100&zone=)*;* [*Singh, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42162273800&zone=)*;* [*Gautam, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42161176600&zone=)

[*Thermal stability and UV-shielding properties of polymethyl methacrylate and polystyrene modified with calcium carbonate nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84855672324&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a390&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=) *,****JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 107(1): 85-96 2012***

1. *Kolipaka, KL*

*Deposition and characterization of functional cobalt polymer nanocomposites prepared by a hybrid plasma process.*

***Doctoral dissertation, Technical Faculty of the Christian-Albrechts-University of Kiel, 2012, http://d-nb.info/1032899018/34***

1. *Vedraine, S*

*Intégration de nanostructures plasmoniques au sein de dispositifs photovoltaïques organiques: étude numérique et expérimentale (Doctoral dissertation, Aix-Marseille Université).****Doctoral dissertation, Ecole Centrale de Lyon,* *Aix-Marseille Université 2012,http://hal.inria.fr/docs/00/79/90/88/PDF/These\_combinA\_Var.pdf***

1. *Racles, C; Stoica, I; Doroftei, F; Cozan, V*

*A simple method for the preparation of colloidal polymer-supported silver nanoparticles*

***JOURNAL OF NANOPARTICLE RESEARCH, 13(12): 6971-6980 2011***

1. [*Majumder, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35183442100&zone=)*;* [*Chakraborty, AK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7201865090&zone=)*;* [*Biswas, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42260926100&zone=)*;* [*Chowdhury, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42261407400&zone=)*;* [*Mallik, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003302470&zone=)

*Indication of formation of charge density waves in silver nanoparticles dispersed poly(methyl methacrylate) thin films*

[***SYNTHETIC METALS***](http://www.scopus.com/source/sourceInfo.url?sourceId=18375&origin=resultslist)***, 161 (13-14): 1390-1399 2011***

1. [*Fages, E*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35200919400)*;* [*Pascual, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35201577400)*;* [*Fenollar, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=18036957300)*;* [*García-Sanoguera, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26657939600)*;* [*Balart, R*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=9634912700)

*Study of antibacterial properties of polypropylene filled with surfactant-coated silver nanoparticles*

***POLYMER ENGINEERING AND SCIENCE, 51 (4): 804-811 2011***

1. [*Mahendia, S.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36489945600&zone=)*,* [*Tomar, A.K.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36912044300&zone=)*,* [*Chahal, R.P.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36941132000&zone=)*,* [*Goyal, P.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37123708400&zone=)*,* [*Kumar, S.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36910811800&zone=)

*Optical and structural properties of poly(vinyl alcohol) films embedded with citrate-stabilized gold nanoparticles*

***JOURNAL OF PHYSICS D: APPLIED PHYSICS, 44 (20): art. no. 205105 2011***

1. *Vyazovkin, S*

[*Thermal Analysis*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=15&SID=Z1En4GPeJJKhmhLFbgG&page=1&doc=1&cacheurlFromRightClick=no)*,ANALYTICAL CHEMISTRY****,*** *82****(****12)****:****4936-4949 2010*

1. [*Racles, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=R1Nl5LiLniba4o5MmJa&name=Racles%20C&ut=000280240600022&pos=1)*;* [*Airinei, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=R1Nl5LiLniba4o5MmJa&name=Airinei%20A&ut=000280240600022&pos=2)*;* [*Stoica, I*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=R1Nl5LiLniba4o5MmJa&name=Stoica%20I&ut=000280240600022&pos=3)*;* [*Ioanid, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=R1Nl5LiLniba4o5MmJa&name=Ioanid%20A&ut=000280240600022&pos=4&cacheurlFromRightClick=no)

*Silver nanoparticles obtained with a glucose modified siloxane surfactant*

***JOURNAL OF NANOPARTICLE RESEARCH, 12(6): 2163-2177 2010***

1. [*Mahendia, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36489945600)*;* [*Tomar, AK*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36551455100)*;* [*Kumar, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36551284700)

[*Electrical conductivity and dielectric spectroscopic studies of PVA-Ag nanocomposite films*](http://www.scopus.com/record/display.url?eid=2-s2.0-77957882881&origin=resultslist&sort=plf-f&cite=2-s2.0-67349271705&src=s&imp=t&sid=LYl4WDvpVt4pkYIOiTCh_jg%3a180&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)

[***JOURNAL OF ALLOYS AND COMPOUNDS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=12325&origin=resultslist)  ***508 (2): 406-411 2010***

1. *Ingrosso, C; Panniello, A; Comparelli, R; Curri, ML; Striccoli, M*

*Colloidal inorganic nanocrystal based nanocomposites: functional materials for micro and nanofabrication* ***MATERIALS, 3(2):1316-1352 2010***

1. *Jordão, NTC*

*Estudos de estabilidade térmica e fotoquímica de compósitos de Au/PtBA*

***DISSERTATION, 2010, Universidade de Aveiro,*** [***http://hdl.handle.net/10773/4528***](http://hdl.handle.net/10773/4528)

**19**. [Ilić](http://www.springerlink.com/content/?Author=Vesna+Ili%c4%87), V; [Šaponjić](http://www.springerlink.com/content/?Author=Zoran+%c5%a0aponji%c4%87), Z; [**Vodnik**](http://www.springerlink.com/content/?Author=Vesna+Vodnik), **V**; Mihailović, D; [Jovančić](http://www.springerlink.com/content/?Author=Petar+Jovan%c4%8di%c4%87), P; [Nedeljković](http://www.springerlink.com/content/?Author=Jovan+Nedeljkovi%c4%87), J; [Radetić](http://www.springerlink.com/content/?Author=Maja+Radeti%c4%87), M

*The Study of Coloration and Antibacterial Efficiency of Corona Activated Dyed Polyamide and Polyester Fabrics Loaded with Ag Nanoparticles,***FIBERS AND POLYMERS, 10(5): 650-656 2009**

1. *Radetić, M; Marković, D*

*A review on the role of plasma technology in the nano‐finishing of textile materials with metal and metal oxide nanoparticles*

***PLASMA PROCESSES AND POLYMERS, 2022, DOI: 10.1002/ppap.202100197***

1. *Haji, A; Nasiriboroumand, M*

*In-Situ Synthesis of Silver Nanoparticles Using Natural Dyed Wool Fabric*

***In book: Advances in Applied Research on Textile and Materials – IX, 2022, DOI: 10.1007/978-3-031-08842-1\_2***

1. *Priebe, A; Barnes, JP;... & Michler, J*

*Elemental characterization of Al nanoparticles buried under a Cu thin film–TOF-SIMS vs. STEM/EDX.* ***ANALYTICAL CHEMISTRY, 2020, https://doi.org/10.1021/acs.analchem.0c02361***

1. *Nourbakhsh, S;Sepehrinia , H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles*

***JOURNAL OF THE TEXTILE INSTITUTE, 2020, DOI: 10.1080/00405000.2019.1707346***

1. *Davidović, SZ*

*Primena dekstrana iz bakterija mlečne kiseline za sintezu nanočestica srebra i proizvodnju jestivih filmova*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2019***

1. *Widodo, M; Nuhiyah, S; Umam, K; Muchlisin, Z; Nur, M*

*Penyempurnaan tahan api dan antibakteri pada kain kapas dengan n-metilol dimetilfosfonopropionamida (pyrovatex cp new) dan kitosan menggunakan plasma lucutan korona.****ARENA TEKSTIL, 34(2) 2019, DOI: http://dx.doi.org/10.31266/at.v34i2.5709***

1. *Widodo, M; Nuhiyah, S...&Nur, M*

*Flame retardant and antibacterial finishing of cotton fabric by n-methylol dimethylphosphonopropionamide (pyrovatex cp new) and chitosan using corona discharge plasm,* ***ARENA TEKSTIL, 34(2) : 65-74 2019, DOI: 10.31266/at.v34i2.5709***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices* ***Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Chang, L; Wang, J; Tong, C; Zhang, X; Zhao, L; Liu, X*

*Antibacterial mechanism of polyacrylonitrile fiber with organophosphorus groups against Escherichia coli.*

***FIBERS AND POLYMERS,******17(5):721-728 2016***

1. [*Shahidi*](http://scholar.google.com/citations?user=PwKoigsAAAAJ&hl=sr&oi=sra)*, S*

[*Antibacterial Efficiency of Mordant-Treated Cotton and Polyamide Fabrics, Before and After Dyeing*](http://www.tandfonline.com/doi/abs/10.1080/15440478.2015.1066290)

***JOURNAL OF NATURAL FIBERS,13(5): 507-519 2016***

1. *Boroumand, MN; Montazer, M; Simon, F; Liesiene, J; Šaponjic, Z; Dutschk, V*

*Novel method for synthesis of silver nanoparticles and their application on wool.*

***APPLIED SURFACE SCIENCE, 346: 477–483 2015***

1. *Davidović, S; Miljković, M; Lazić, V; Jović, D; Jokić, B; Dimitrijević, S; Radetić, M*

*Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species Leuconostoc mesenteroides T3.,****CARBOHYDRATE POLYMER, 131: 331–336 2015***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO2/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Flajs, N*

*Vpliv barvanja z reaktivnimi barvili na adsorpcijo kompozitnih nanodelcev Ag/TiO2: diplomsko delo*

***Doctoral dissertation, Univerza v Ljubljani, Naravoslovnotehniška fakulteta, 2015, https://repozitorij.uni-lj.si/Dokument.php?lang=slv&id=72024&dn***

1. *Haji, A; Shoushtarib, AM; Mirafsharb, M*

*Natural dyeing and antibacterial activity of atmospheric-plasma-treated nylon 6 fabric*

***COLORATION TECHNOLOGY, 130(1)37-42 2014***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. *Mohamed, NH*

*Surface Modification of Synthetic Fibers for Antibacterial Applications*

***Doctoral dissertation, Universität Duisburg-Essen, Fakultät für Chemie, 2013, http://duepublico.uni-duisburg-essen.de/***

1. [*Freeman, AI*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16645385900&zone=)*;* [*Halladay, L.J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37007454900&zone=)*;* [*Cripps, P*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004662444&zone=)

[*The effect of silver impregnation of surgical scrub suits on surface bacterial contamination*](http://www.scopus.com/record/display.url?eid=2-s2.0-84861869237&origin=resultslist&sort=plf-f&cite=2-s2.0-77951270173&src=s&imp=t&sid=2oCaVYlOPXfr142x7iWEG_L%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***VETERINARY JOURNAL, 192 (3): 489-493 2012***

1. [*Shahidi, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15832926900)*;* [*Ghoranneviss, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8513367500)

*Investigation on dye ability and antibacterial activity of nanolayer platinum coated polyester fabric using DC magnetron sputtering,****PROGRESS IN ORGANIC COATINGS, 70 (4): 300-303 2011***

1. [*Gorenšek, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35605394200)*;* [*Gorjanc, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23990545900)*;* [*Bukošek, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701839471)*;* [*Kovač, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7101745196)*;* [*Petrović, Z*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35231003500)*;* [*Puač, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6503919761)

[*Functionalization of polyester fabric by Ar/N2 plasma and silver*](http://www.scopus.com/record/display.url?eid=2-s2.0-77956832801&origin=resultslist&sort=plf-f&cite=2-s2.0-77951270173&src=s&imp=t&sid=u9XEOp-cjPalMsn5b_EZdoB%3a120&sot=cite&sdt=a&sl=0&relpos=0&relpos=0)

***TEXTILE RESEARCH JOURNAL, 80 (16): 1633-1642 2010***

1. [*Torres, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Torres%20A&ut=000282017700013&pos=1)*;* [*Ruales, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Ruales%20C&ut=000282017700013&pos=2)*;* [*Pulgarin, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Pulgarin%20C&ut=000282017700013&pos=3)*;* [*Aimable, A*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Aimable%20A&ut=000282017700013&pos=4)*;* [*Bowen, P*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Bowen%20P&ut=000282017700013&pos=5)*;* [*Sarria, V*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Sarria%20V&ut=000282017700013&pos=6)*; Kiwi, J*

[*Innovative High-Surface-Area CuO Pretreated Cotton Effective in Bacterial Inactivation under Visible Light*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=9&SID=N2iMc2fg5aCh2hIC42B&page=1&doc=2&cacheurlFromRightClick=no)

*ACS APPLIED MATERIALS & INTERFACES,**2* ***(****9)****:*** *2547-2552**2010*

**20.** Vuković, J; Jovanović, S; Lechner, MD; **Vodnik**, **V**

[*Melt Rheology of Aliphatic Hyperbranched Polyesters*](http://apps.isiknowledge.com/full_record.do?product=WOS&qid=10&SID=Q2JOeHbFEabid6Fd8kN&doc=1&colname=WOS)

**JOURNAL OF APPLIED POLYMER SCIENCE, 112(5): 2925-2934 2009**

1. *Hayashi, M; Uchiyama, S; Kato, M*

*Clarifying the Role of Epoxy Molecules and Base Catalysts for Vitrimer Transformation from Linear Polyesters*

***ACS APPLIED POLYMER MATERIALS, 2023, DOI: 10.1021/acsapm.3c02014***

1. *Kruse, M; Wang, P; Shah, RS; Wagner, MH*

*Analysis of high melt-strength poly(ethylene terephthalate) produced by reactive processing by shear and elongational rheology,****POLYMER ENGINEERING AND SCIENCE, 59(2): 396-410 2019***

1. *Liu, J; Liang, H; Li, C; Hu, F*

*Study of Phenyl-Terminated Hyperbranched Polyester as aSpecialβ-Nucleating Agent on the Toughness of IsotacticPolypropylene,****POLYMER ENGINEERING & SCIENCE, 59(s2): E133-E143 2019***

1. *Jingru, L*

*Rheological Behavior of Different Algebraic Terminal Hyperbranched Polyesters and Their Binary Blends*

***FINE CHEMICALS; 34 (4): 368-374 2017 http://www.finechemicals.com.cn/ch/reader/view\_abstract.aspx?file\_no=201609270937&flag=1***

1. *Matta, A; Katada, I; Kawazoe, J; Chammingkwan, P; Terano, M; Taniike, T*

*Stabilization of polypropylene-based materials via molecular retention with hyperbranched polymer*

***POLYMER DEGRADATION AND STABILITY, 142: 50-54 2017***

1. *Schubert, C; Osterwinter, C; Tonhauser, C; Schömer, M; Wilms, D; Frey, H;Friedrich, C*

*Can Hyperbranched Polymers Entangle? Effect of Hydrogen Bonding on Entanglement Transition and Thermorheological Properties of Hyperbranched Polyglycerol Melts.* ***MACROMOLECULES,******49(22): 8722-8737 2016***

1. *Dunjic, B; Tasic, S; Bozic, B; Aleksandrovic‐Bondzic, V; Nikolic, M S; Djonlagic, J*

*Rheological properties of hydroxyl‐terminated and end‐capped aliphatic hyperbranched polyesters.* ***JOURNAL OF APPLIED POLYMER SCIENCE, 132(7): 41479, p.13, 2015, DOI: 10.1002/app.41479***

1. *Miao, XP; Guo, YS; He, LF*

*Rheological behaviors of a series of hyperbranched polyethers.*

***CHINESE JOURNAL OF POLYMER SCIENCE, 33(11): 1574-1585 2015***

1. *Katada, I*

*Improvement of Long-term Stability of Polypropylene-based Materials through Encapsulation and Morphology Control*

***Doctoral dissertation, Japan Advanced Institute of Science and Technology, 2015,*** [***http://hdl.handle.net/10119/12767***](http://hdl.handle.net/10119/12767)

1. *Liu, JL; Chen,J; Cheng, XB; Yu,Q*

*Effect of Hydrogen Bonding Interaction on Rheological Properties of Hydroxyl-terminated Hyperbranched Polyesters*

***ACTA POLYMERICA SINICA, 0 (4): 499-507 2014, DOI:10.3724/SP.J.1105.2014.13316***

1. *Han, W; Lin, B; Yang, H;* [*Zhang, XQ*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=X1ADKKE3ddjnOEF4JgI&field=AU&value=Zhang,%20XQ&cacheurlFromRightClick=no)

[*Synthesis of novel poly(ester amine) dendrimers by Michael addition and acrylate esterification*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=24&SID=X1ADKKE3ddjnOEF4JgI&page=1&doc=1)

***DESIGNED MONOMERS AND POLYMERS, 16 (1): 67-71 2013***

1. [*Džunuzović, JV;*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=36760702600&zone=)[*Džunuzović, ES*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6506190033&zone=)

[*Rheological behavior of hyperbranched polymers*](http://www.scopus.com/record/display.uri?eid=2-s2.0-84951005261&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=BCD4AF07A87AD435E8AF2548D29E074F.ZmAySxCHIBxxTXbnsoe5w%3a1490&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=0&searchTerm=)

***Nova Science Publishers, Inc., Chapter, In*** [***Rheology: Theory, Properties and Practical Applications***](http://www.scopus.com/display/book.url?sourceId=21100431415&requestedPage=book) ***359-382 2013***

1. [*Pasquino, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24768087100&zone=)[*Zhang, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35338495100&zone=)[*Sigel, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004721191&zone=)[*Yu, H;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55481760300&zone=)[*Ottiger, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603673253&zone=)[*Bertran, O;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=22936781300&zone=)[*Aleman, C,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=21833461000&zone=)[*Vlassopoulos, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006533839&zone=)

[*Linear viscoelastic response of dendronized polymers*](http://www.scopus.com/record/display.url?eid=2-s2.0-84869028965&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a340&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****MACROMOLECULES, 45 (21):8813-8823 2012***

1. [*Pergal, M.V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957221000&zone=)*;* [*Džunuzović, J.V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958343900&zone=)*;* [*Ostojić, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958459600&zone=)*;* [*Pergal, M.M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957220900&zone=)*;* [*Radulović, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958198000&zone=)*;* [*Jovanović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958521300&zone=)

[*Poly(urethane-siloxane)s based on hyperbranched polyester as crosslinking agent: Synthesis and characterization*](http://www.scopus.com/record/display.url?eid=2-s2.0-84856633742&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a300&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 77(7): 919-935 2012***

1. [*Džunuzović, ES*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506190033&zone=)*;* [*Tasić, SV*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603893062&zone=)*;* [*Božić, BR.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006085896&zone=)*;* [*Džunuzović, JV*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36760702600&zone=)*;* [*Dunjić, BM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003971895&zone=)*;* [*Jeremić, KB*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36973969800&zone=)

[*Mechanical and thermal properties of UV cured mixtures of linear and hyperbranched urethane acrylates*](http://www.scopus.com/record/display.url?eid=2-s2.0-84857998581&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=V99P50GIFBd_Zz8VHrPTVn0%3a240&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***PROGRESS IN ORGANIC COATINGS, 74 (1): 158-164 2012***

1. [*Han, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=44061394700&zone=)*;* [*Lin, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37002824600&zone=)*; Yang, H; Zhang, X*

[*Synthesis and properties of UV-curable hyperbranched polyurethane acrylate oligomers containing carboxyl groups*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=10&SID=Y157O@A2pbmFGkhg8J5&page=1&doc=1&cacheurlFromRightClick=no)

***POLYMER BULLETIN, 68 (4): 1009-1022 2012***

1. [*Han, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=44061394700&zone=)*;* [*Lin, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37002824600&zone=)*;* [*Zhou, Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=44062007100&zone=)*;* [*Song, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=44061895900&zone=)

[*Synthesis and properties of UV-curable hyperbranched polyurethane acrylate oligomers containing photoinitiator*](http://www.scopus.com/record/display.url?eid=2-s2.0-84856606910&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a300&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

***POLYMER BULLETIN, 68 (3): 729-743 2012***

1. [*Žagar, E.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603376329)*,* [*Žigon, M.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004440615)

[*Aliphatic hyperbranched polyesters based on 2,2-bis(methylol)propionic acid - Determination of structure, solution and bulk properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-78649734777&origin=resultslist&sort=plf-f&cite=2-s2.0-77952917097&src=s&imp=t&sid=nUCRS8IB-r2NhJYquboPrOP%3a120&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****PROGRESS IN POLYMER SCIENCE, 36 (1): 53-88 2011***

1. [*Zhang, X*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36451502800)

[*Modifications and applications of hyperbranched aliphatic polyesters based on dimethylolpropionic acid*](http://www.scopus.com/record/display.url?eid=2-s2.0-78651429003&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=nUCRS8IB-r2NhJYquboPrOP%3a180&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***POLYMER INTERNATIONAL, 60 (2):153-166 2011***

1. *Jovičić, M*

*Projektovanje strukture premaza na bazi klasičnih i hiperrazgranatih alkidnih smola.*

***Doctoral dissertation,*** ***Универзитет у Новом Саду, Технолошки факултет, 2011***

1. [*Tonhauser, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Q2JOeHbFEabid6Fd8kN&name=Tonhauser%20C&ut=000285426600005&pos=1)*;* [*Wilms, D*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Q2JOeHbFEabid6Fd8kN&name=Wilms%20D&ut=000285426600005&pos=2)*;* [*Korth, Y*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Q2JOeHbFEabid6Fd8kN&name=Korth%20Y&ut=000285426600005&pos=3)*;* [*Frey, H*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Q2JOeHbFEabid6Fd8kN&name=Frey%20H&ut=000285426600005&pos=4)*;* [*Friedrich, C*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=Q2JOeHbFEabid6Fd8kN&name=Friedrich%20C&ut=000285426600005&pos=5&cacheurlFromRightClick=no)

[*Entanglement Transition in Hyperbranched Polyether-Polyols*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=13&SID=Q2JOeHbFEabid6Fd8kN&page=1&doc=1&cacheurlFromRightClick=no)

*MACROMOLECULAR RAPID COMMUNICATIONS,****3****1(24): 2127-2132 2010*

1. [*Džunuzović, J.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36760762600)*,* [*Jovanović, S.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35951994000)*,* [*Lechner, M.D.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16637508200)

*Characterization of the commercial hyperbranched polyesters****,****HEMIJSKA INDUSTRIJA,* ***64 (6): 547-553 2010***

1. *Schüler, F*

*Synthesis of functionalized polyoxetanes and their use as blend components, nanoreactors and nanotransporters*

***Doctoral dissertation, Fakultät für Chemie, Pharmazie und Geowissenschaften, Institut für Makromolekulare Chemie, Universität Freiburg, 2009, http://www.freidok.uni-freiburg.de/volltexte/7108/***

|  |  |
| --- | --- |
|  |  |

**21.** Marković, G; Marinović-Cincović, M; **Vodnik**, **V**; Radovanović, B; Budinski-Simendić, J; Veljković, O

*Thermal stability of acrylonitrile/chlorosulphonated polyethylene rubber blend*

**JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 97(3): 999-1006 2009**

1. *Roshanaei, H;...& Fattahi H*

*Mechanistic investigation of the influence sulfur curing systems on the characteristics of chlorosulfonated polyethylene rubber*

***POLYMER BULLETIN ,2025, DOI: 10.1007/s00289-025-05776-6***

1. *Ferreira, VF; Pauli, FP;...&Paschoalin*

*Synthesis and Applications of Chitosan Sulfonic Acid*

***In book: Advances in Materials Science ResearchPublisher: Nova Science, 2023, https://novapublishers.com/shop/advances-in-materials-science-research-volume-59/***

1. *Rodrigues, D; Antunes, JC;...& Costa, MH*

*Distribution patterns of microplastics in subtidal sediments from the Sado river estuary and the Arrábida marine park, Portugal*

***FRONTIERS IN ENVIRONMENTAL SCIENCE, 2022, DOI: 10.3389/fenvs.2022.998513***

1. *Sa, B; Pais, J;...& Sobral, P*

*Seasonal Abundance and Distribution Patterns of Microplastics in the Lis River, Portugal,* ***SUSTAINABILITY 14(4):2255 2022***

1. *Rodrigues, DD*

*Microplastics in a Portuguese coastal area: distribution patterns on surface waters and sediments, ingestion by wild marine fish, and relative contribution as a contamination pathway.*

***Doctoral dissertation, 2022, http://hdl.handle.net/10362/150043***

1. *Mandal, AK; Chakraborty, D;... & Siddhanta, SK*

*On the Engineering Properties of TPV derived from Hypalon, PP and a Compatibilizer (PMES-MA) prepared by Dynamic Vulcanization,* ***JOURNAL OF POLYMER MATERIALS, 38: 21-34 2021***

1. *Li, B; Li, SX;… & Zhang, ZN*

*Tribological behaviour of acrylonitrile-butadiene rubber under thermal oxidation ageing*

***POLYMER TESTING, 2021, doi.org/10.1016/j.polymertesting.2020.106954***

1. *Mensah, B; Gupta, KC; Kang, G; Lee, H; Nah, C*

*A comparative study on vulcanization behavior of acrylonitrile-butadiene rubber reinforced with graphene*

*oxide and reduced graphene oxide as fillers.* ***POLYMER TESTING, 2019, https://doi.org/10.1016/j.polymertesting.2019.01.026***

1. *Rijal, B; Klipfel, F; Dez, I; Colin, J; Bazin, P; Arethuse, F; ... & Le Pluart, L*

*Effect of metal oxides on the thermal degradation of polychloroprene and chlorosulfonated polyethylene.*

***POLYMER DEGRADATION AND STABILITY, 15: 90-97 2019***

1. *Ali-Asgari Dehaghi, HR; Jabbari, H;…. & Sedaghat, N*

*Thermal Degradation and the Morphology of Chlorosulfonated Polyethylene/Nanoclay Nanocomposites.*

***CHEMICAL METHODOLOGIES, 3(3, PP. 276-391), 306-321 2019***

1. *Chukov, DI; Stepashkin, AA; Salimon, AI; Kaloshkin, SD*

*Highly filled elastomeric matrix composites: Structure and property evolution at low temperature carbonization.*

***MATERIALS & DESIGN, 156:22-31 2018***

1. *Stepashkin, AA, Chukov, DI; Zadorozhnyy, MY; Kaloshkin, SD; Pyatov, IS; Deniev, MY*

*Thermal properties of carbonized composite materials based on carbon filled elastomeric matrices.*

***INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, 2018, https://doi.org/10.3139/146.111656***

1. *Budinski-Simendić, J; Marković, G;Tanasić, J;* *Marinović-Cincović, M;Aroguz, A; Teofilović, V; Karasz, LjK*

*The properties of gamma irradiated elastomeric nanocomposites based on chlorosulphonated polyethylene*

***CONTEMPORARY MATERIALS, VIII-1:73-79 2018, doi: 10.7251/COMEN1701073B***

1. *Aleksić, V;Lazić, N; Jovanović,V;. Budimski-Simendić, J*

*Synergistic effect of dual active fillers on the properties of elastomeric materials*

***Engineering, Environment and Materials in Processing Industry, 1172-1180 2017, DOI: 10.7251/EEMSR15011172A***

1. *Rosa, A.G.D.A*

*Comportamento tribológico dos compósitos poliméricos utilizados no anel de atrito do amortecedor torcional de discos de embreagem.****Doctoral dissertation, Brasil, 2017,https://repositorio.ufscar.br/handle/ufscar/9273***

1. *Alneamah, M; Almaamori, M*

*Study of Thermal Stability of Nitrile Rubber/Polyimide Compounds.*

***INTERNATIONAL JOURNAL OF MATERIALS AND CHEMISTRY, 5(1): 1-3 2015***

1. *Al-maamori, MH; Alneamah, M T; Albermany, K*

*Effect of Bismaleimde on Heat Resistance of Nitrile Rubber Composites*

***INT'L JOURNAL OF RESEARCH IN CHEMICAL, METALLURGOCAL AND CIVIL ENGG. (IJRCMCE), ISSN 2349-1442 EISSN 2349-1450, 2(2):90-93 2015, http://dx.doi.org/10.15242/IJRCMCE.D0914012***

1. *Mandal, AK; Chakraborty, D; Siddhanta, SK*

*Effect of the compatibilizer, on the engineering properties of TPV based on Hypalon® and PP prepared by dynamic vulcanization ,****JOURNAL OF APPLIED POLYMER SCIENCE, 131(11): 40312(1-8) 2014***

1. *Al-Maamori, MH; Alneamah, MT*

*Comparison between Polyimide and Bismaleimide Effect on Mechanical Properties and Ageing Resistance of Nitrile Rubber,****ACADEMIC RESEARCH INTERNATIONAL, 5(4): 114-121 2014***

1. [*Danielle Galiani, P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55863818400&zone=)[*Antonio Malmonge, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55863141500&zone=)[*Guenther Soares, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55863318800&zone=)[*Henrique Capparelli Mattoso, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55863170000&zone=)

[*Studies on thermal-oxidative degradation behaviours of raw natural rubber: PRI and thermogravimetry analysis*](http://www.scopus.com/record/display.url?eid=2-s2.0-84884568452&origin=resultslist&sort=plf-f&cite=2-s2.0-70350352206&src=s&imp=t&sid=879DC219A88F4328EC10992816696CC0.I0QkgbIjGqqLQ4Nw7dqZ4A%3a560&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

***P***[***LASTICS, RUBBER AND COMPOSITES,***](http://www.scopus.com/source/sourceInfo.url?sourceId=14397&origin=resultslist) ***42 (8): 334-339 2013***

1. [*Mousavisafavi, SM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54941348900&zone=)[*Gharagheizi, F;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=12778584200&zone=) *Mirkhani, SA;* [*Akbari, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36963920400&zone=)

[*A predictive quantitative structure-property relationship for glass transition temperature of 1,3-dialkyl imidazolium ionic liquids: Part 2. the nonlinear approach*](http://www.scopus.com/record/display.url?eid=2-s2.0-84872495332&origin=resultslist&sort=plf-f&cite=2-s2.0-70350352206&src=s&imp=t&sid=35B9434121ABFD2B169E6BF64D8E63FC.aqHV0EoE4xlIF3hgVWgA%3a380&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 111(2): 1639-1648 2013***

1. [*Mandal, A.K.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55221315500&zone=)*,* [*Siddhanta, S.K.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507179028&zone=)*,* [*Chakraborty, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35513613200&zone=)

[*Chlorosulfonated polyethylene-polypropylene thermoplastic vulcanizate: Mechanical, morphological, thermal, and rheological properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-84867576487&origin=resultslist&sort=plf-f&cite=2-s2.0-70350352206&src=s&imp=t&sid=307E40F1E6184F80AE3C37C2A31A334D.zQKnzAySRvJOZYcdfIziQ%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***JOURNAL OF APPLIED POLYMER SCIENCE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=13554&origin=resultslist) ***127 (2):1268-1274 2013***

1. [*Janowska, G;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603907911&zone=)[*Kucharska-Jastrzabek, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26432112800&zone=)[*Rzymski, WM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603461635&zone=)[*Pajak, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=40462283600&zone=)

[*Thermal properties and combustibility of cross-linked XNBR/CSM blends: Part II. Influence of the CSM kind*](http://www.scopus.com/record/display.url?eid=2-s2.0-84867395882&origin=resultslist&sort=plf-f&cite=2-s2.0-70350352206&src=s&imp=t&sid=kO5QcA9-2hDjz7drfVnEs1n%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 109(3): 1481-1486 2012***

1. *Marković, G; Marinović-Cincović, MS; Jovanović, V;* [*Samaržija-Jovanović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25927614900&zone=)*;* [*Budinski-Simendić, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603288483&zone=)

*Gamma irradiation aging of NBR/CSM rubber nanocomposites*

***COMPOSITES PART B: ENGINEERING, 43 (2): 609-615 2012***

1. *Janowska, G; Kucharska-Jastrzabek, A; Kasiczak, A;* [*Rzymski, WM*](http://apps.webofknowledge.com/OneClickSearch.do?product=UA&search_mode=OneClickSearch&colName=WOS&SID=Q2HMeLAIjPFf@mn1A5B&field=AU&value=Rzymski,%20WM)

*Thermal properties and combustibility of cross-linked XNBR/CSM blends* [*:Part I. Influence of the magnesium oxide*](http://www.scopus.com/record/display.url?eid=2-s2.0-79959373030&origin=resultslist&sort=plf-f&cite=2-s2.0-70350352206&src=s&imp=t&sid=kO5QcA9-2hDjz7drfVnEs1n%3a190&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 104(3): 1107-1115 2011***

1. *Markovic, G; Marinović-Cincović, MS;…&*[*Budinski-Simendić, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603288483&zone=)

*The influence of nano silica particles on gamma-irradiation ageing of elastomers based on chlorosulphonated polyethylene and acrylonitrile butadiene rubber,* ***RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, 85(13): 2410-2415*** ***2011.***

**22.** Vuković, J; Jovanović, S; Lechner, MD;**Vodnik**, **V**

*Synthesis and Molecular Structure Investigation of Aliphatic Hyperbranched Polyesters* **MODERN TRENDS IN MACROMOLECULAR CHEMISTRY, Nova Science Publishers, Inc. New York, ISBN: 978-1-60741-252-6 (2009) 39-59.**

1. [*Džunuzović, JV;*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=36760702600&zone=)[*Džunuzović, ES*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6506190033&zone=)

[*Rheological behavior of hyperbranched polymers*](http://www.scopus.com/record/display.uri?eid=2-s2.0-84951005261&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=BCD4AF07A87AD435E8AF2548D29E074F.ZmAySxCHIBxxTXbnsoe5w%3a1490&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=0&searchTerm=)

***Nova Science Publishers, Inc., Chapter, In*** [***Rheology: Theory, Properties and Practical Applications***](http://www.scopus.com/display/book.url?sourceId=21100431415&requestedPage=book) ***359-382 2013***

1. *Dzunuzovic, ES; Tasic, SV; Bozic, BR; Dzunuzovic, JV; Dunjic, BM; Jeremic, KB*

*Mechanical and thermal properties of UV cured mixtures of linear and hyperbranched urethane acrylates*

***PROGRESS IN ORGANIC COATINGS, 74 (1): 158-164 2012***

1. [*Pergal, M.V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957221000&zone=)*;* [*Džunuzović, J.V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958343900&zone=)*;* [*Ostojić, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958459600&zone=)*;* [*Pergal, M.M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54957220900&zone=)*;* [*Radulović, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958198000&zone=)*;* [*Jovanović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54958521300&zone=)

[*Poly(urethane-siloxane)s based on hyperbranched polyester as crosslinking agent: Synthesis and characterization*](http://www.scopus.com/record/display.url?eid=2-s2.0-84856633742&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a300&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 77(7): 919-935 2012***

1. *Jovičić, M*

*Projektovanje strukture premaza na bazi klasičnih i hiperrazgranatih alkidnih smola.*

***Doctoral dissertation,*** ***Универзитет у Новом Саду, Технолошки факултет, 2011***

1. *Dzunuzovic, J; Jovanovic, S; Lechner, MD*

*Characterization of the commercial hyperbranched polyesters,HEMIJSKA INDUSTRIJA,* ***64 (6): 547-553 2010***

**23.** [Ilic V](http://www.scopus.com/search/submit/author.url?author=Ilic+V.&origin=resultslist&authorId=22985080000); [Saponjic Z](http://www.scopus.com/search/submit/author.url?author=Saponjic+Z.&origin=resultslist&authorId=6603558005); [**Vodnik V**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.&origin=resultslist&authorId=6508327780); [Mihailovic D](http://www.scopus.com/search/submit/author.url?author=Mihailovic+D.&origin=resultslist&authorId=26025990100); [Jovancic P](http://www.scopus.com/search/submit/author.url?author=Jovancic+P.&origin=resultslist&authorId=6602704735); [Nedeljkovic J](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.&origin=resultslist&authorId=7003632042); [Radetic M](http://www.scopus.com/search/submit/author.url?author=Radetic+M.&origin=resultslist&authorId=6603051468)   
[*A study of the antibacterial efficiency and coloration of dyed polyamide and polyester fabrics modified with colloidal Ag nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-68949108601&origin=resultslist&sort=plf-f&cite=2-s2.0-68949108601&src=s&imp=t&sid=5slDvZEVVPLvw0yWKfx2MQm%3a220&sot=cite&sdt=a&sl=0)*,* **JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 74(3): 349-357 2009**

1. *Mihajlovski, K; Stajcic, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver*

***HEMIJSKA INDUSTRIJA, 2023, DOI: 10.2298/HEMIND230113021M***

1. *Miljkvoć, M;Lazić, V;...˛&Nedeljković, JM*

*Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against E. Coli* ***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2019, DOI:10.1007/s10904-019-01402-x***

1. *Hashim A; Hamad ZS*

*Polyvinyl alcohol - Poly-Acrylic Acid Bio-Polymeric Blend with Titanium Nitride Nanoparticles Films For Antibacterial Activity against Staphylococcus aureus,* ***ADVANCES IN NATURAL AND APPLIED SCIENCES 12(10):12-16 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Paul, R*

[*Diamond-Like-Carbon Coatings for Advanced Biomedical Applications*](https://www.researchgate.net/publication/319356461_Diamond-Like-Carbon_Coatings_for_Advanced_Biomedical_Applications)

***GLOBAL JOURNAL OF NANOMEDICINE, 2(5):GJO.MS.ID.555598 2017***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO2/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Wang, L; Ding,Y; Shen,Y; Cai,Z; Zhang, H; Xu, L*

*Study on properties of modified nano-TiO2 and Its application on antibacterial finishing of textiles*

***JOURNAL OF INDUSTRIAL TEXTILES, 44 (3): 351-372 2014***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. [*Jovanović, Ž*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35752271100&zone=)*;* [*Radosavljević, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24400201100&zone=)*;* [*Kačarević-Popović, Z*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603945421&zone=)*;* [*Mišković-Stanković, V*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003962185&zone=)

*Silver/poly(N-vinyl-2-pyrrolidone) nanocomposites obtained by electrochemical synthesis*

***HEMIJSKA INDUSTRIJA, 65(6): 687-696 2011***

1. *Allam, OG*

*Improving Functional Characteristics of Wool and Some Synthetic Fibres*

***OPEN JOURNAL OF ORGANIC POLYMER MATERIALS, 1(1): 8-19 2011 doi:10.4236/ojopm.2011.11002***

**24.** Marković, G; Radovanović, B; **Vodnik**, **V**; Marinović-Cincović, M; Budinski-Simendić, J

*Investigation of Chemical Interactions Between CSM and NBR*

**KAUTSCHUK GUMMI KUNSTSTOF/KGK,62(3): 103-107 2009**

1. *Jinpeng, L; Tianhao,W;...&Jianbin, X*

*Modification of Compatibility between NBR and EPDM by CSM*

***CHINA RUBBER INDUSTRY, 70(3): 189-194 2023***

1. *Li, B; Li, SX;… & Zhang, ZN*

*Tribological behaviour of acrylonitrile-butadiene rubber under thermal oxidation ageing*

***POLYMER TESTING, 2020, doi.org/10.1016/j.polymertesting.2020.106954***

1. *Budinski-Simendić, J; Marković, G; Tanasić, J; Marinović-Cincović, M; Aroguz, A; Teofilović, V; Karasz, LK.*

*The properties of gamma irradiated elastomeric nanocomposites based on chlorosulfonated polyethylene*

***CONTERMPORARY MATERIALS, 73-79, 2017,* *doi: 10.7251/COMEN1701073B***

1. *Hong, G; Zhang, S;* [*Jianbin, PX*](http://www.cqvip.com/main/search.aspx?w=%e8%82%96%e5%bb%ba%e6%96%8c)

*Study on properties of modified NBR blends by CSM* [***Chinese Journal of Scientific and Technical Periodicals***](http://www.cqvip.com/productor/pro_zk.shtml)***, 2:23-26 2016,* *http://www.cqvip.com/qk/92348x/201602/668560300.html***

1. [*Takei, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7102076092&zone=)[*Oda, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55389681300&zone=)[*Miura, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55389323900&zone=)[*Kumada, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35305443000&zone=)[*Kinomura, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006927115&zone=)[*Ohki, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55122020900&zone=)[*Koshiyama, H*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55122057800&zone=)

[*Effect of dispersion of sepiolite in sepiolite-NBR composite on the tensile strength*](http://www.scopus.com/record/display.url?eid=2-s2.0-84867467897&origin=resultslist&sort=plf-f&cite=2-s2.0-63449127923&src=s&imp=t&sid=kO5QcA9-2hDjz7drfVnEs1n%3a390&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***COMPOSITES PART B: ENGINEERING, 44 (1): 260-265 2013***

1. *Marković, G;Marinović-Cincović, M; Jovanović, V; Samaržija-Jovanović, S; Budinski-Simendić, J*

*Hybrid materials based on brominated copolymer isobutylene isoprene/chlorosulfonated polyethylene rubber blends reinforced by nano and micro silica,****JOURNAL OF ELASTOMERS AND PLASTICS, 44 (4): 335-351 2012***

1. *Marković, G; Marinović-Cincović, MS; Jovanović, V;* [*Samaržija-Jovanović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25927614900&zone=)*;* [*Budinski-Simendić, J*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603288483&zone=)

*Gamma irradiation aging of NBR/CSM rubber nanocomposites****COMPOSITES PART B: ENGINEERING, 43 (2): 609-615 2012***

1. *Jin-wen, W*

*Investigation of chemical interactions between CSM and NBR* ***WORLD RUBBER INDUSTRY, 38(3): 2011***

**25.** [**Vodnik, VV;**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.V.&origin=resultslist&authorId=6508327780) [Božanić, DK;](http://www.scopus.com/search/submit/author.url?author=Bozanic+D.K.&origin=resultslist&authorId=16030178500) Džunuzović, E; Vuković, J; [Nedeljković, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=7003632042)

*Thermal and optical properties of silver-poly(methylmethacrylate) nanocomposites prepared by in-situ radical polymerization,* **EUROPEAN POLYMER JOURNAL, 46 (2)**: **137-144 2010**

1. *Кхасрањ, СС; Маманд, ДМ;...& Азиз.СБ*

*PEO Based Nanocomposite With Improved Structural and Optical Properties*

***Journal of Inorganic and Organometallic Polymers and Materials, 2025, DOI: 10.1007/s10904-025-03656-0***

1. *Khasraw, SS; Mamand, DM; ... & Aziz, SB*

*PEO Based Nanocomposite With Improved Structural and Optical Properties.* ***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2025, https://doi.org/10.1007/s10904-025-03656-0***

1. *Kadhim, ZJ;...& Tauma, AN*

*Insights into the Microstructure, Optical, Dielectric, and Biological Features of HA@MoS Reinforced PEO/SA Nanocomposite Films for Optoelectronics, Sunscreens, Energy Storage, and Bactericidal Applications,* ***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2025, DOI: 10.1007/s10904-025-03805-5***

1. *Kadhim, ZJ; Bermany EA;...Tauma, AN*

*Probing the Physical and Antibacterial Features of SiO2@MoS2 Nanoparticle-Embellished PEO/Sodium Alginate/PVA Matrix for Sunscreens, Energy Storage, Food Preservation, and Unique Plasmonic Applications*

***PLASMONICS, 2025, DOI: 10.1007/s11468-025-03055-8***

1. *Kadhim, ZJ; Al-Bermany, E;…& Tuama, AN*

*Probing the Physical and Antibacterial Features of SiO2@ MoS2 Nanoparticle-Embellished PEO/Sodium Alginate/PVA Matrix for Sunscreens, Energy Storage, Food Preservation, and Unique Plasmonic Applications.*

***PLASMONICS, 2025, DOI:10.1007/s11468-025-03055-8***

1. *Muhammad, DS; Aziz, DM Aziz, SB*

*Zinc metal complexes synthesized by a green method as a new approach to alter the structural and optical characteristics of PVA: new field for polymer composite fabrication with controlled optical band gap,* ***RSC ADVANCES 14(36):26362-26387 2024***

1. *Farhan, AJ; Abdali, K;…& Thamer, AA*

*Appraisal of the Impact of Wrapping Sm2O3–SiO2 Versatile Nanoparticles on the Structural, Morphological, Optical, and Dielectric Properties of PEO| SALG Polymeric Blend for Optoelectronics, UV Absorbance, and Energy Storage Attributes.****Journal of Inorganic and Organometallic Polymers and Materials, 2024,*** *https://doi.org/10.1007/s10904-024-03451-*

1. *Ali, AAM; Saleh, AA;...& Fouad, R*

*Dual function of new Nd(III) and Gd(III) complexes for cytotoxic and optoelectronic fields: Synthesis, characterization, DFT calculations, and PVA composite films,* ***APPLIED ORGANOMETALLIC CHEMISTRY, 2023, DOI: 10.1002/aoc.7192***

1. *Abdelfattah, EM; Elzanaty, H;...& Fahmy, T*

*Enhancement of the Structure, Thermal, Linear/Nonlinear Optical Properties, and Antibacterial Activity of Poly (vinyl alcohol)/Chitosan/ZnO Nanocomposites for Eco-Friendly Applications,* ***POLYMERS 15(21):4282 2023***

1. *Erol, I; Cigerci, IH;...& Aksu, M*

*Synthesis of moringa oleifera coated silver-containing nanocomposites of a new methacrylate polymer having pendant fluoroarylketone by hydrothermal technique and investigation of thermal, optical, dielectric and biological properties*

***JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION, 2022, DOI: 10.1080/09205063.2022.2046986***

1. *Aziz, SB; Nofal, MM; ... & Hussein, AM*

*Innovative Green Chemistry Approach to Synthesis of Sn2+-Metal Complex and Design of Polymer Composites with Small Optical Band Gaps.* ***MOLECULES, 27(6): 1965 2022***

1. *Darwesh, AHA; Aziz, SB; Hussen, S*

*Insights into optical band gap identification in polymer composite films based on PVA with enhanced optical properties: Structural and optical characteristics,* ***OPTICAL MATERIALS 133(2020):113007 2022***

1. *Peng, SL; Chen, GY; Hsu, SW*

*Tuning the Optical and Electrical Properties of Polymer‐Based Nanocomposites by Plasmon‐Induced Electromagnetic Field*

***ADVANCED MATERIALS INTERFACES, 2022,DOI: 10.1002/ADMI.202200089***

1. *Peng, SL: Chen, GY; Hsu, SW*

*Silver Nanocube Dimer Nanojunctions as Plasmon-Enhanced Raman Sensors.*

***JOURNAL OF MATERIALS CHEMISTRY C, 2022, https://doi.org/10.1039/D2TC03329A***

1. *Shireesh, D; Prasad, KR...&Rao, BS*

*Investigations on nano composites of silver metalparticle embedded MAAMPS copolymer*

***MATERIALS TODAY: PROCEEDINGS, 2022, DOI: 10.1016/j.matpr.2022.04.525***

1. *Singh, P; Mirza, AU;...& Nishat, N.*

*Functionalization of PMMA/TiO2 nanocomposites: Synthesis, characterization and their antioxidant and antibacterial evaluation.* ***JOURNAL OF APPLIED POLYMER SCIENCE, 139(10): 51749 2022***

1. *Li, H; Qu, J*

*Mussel‐Inspired synthesis of silver nanoparticle as fillers for preparing waterborne polyurethane/Ag nanocomposites with excellent mechanical and antibacterial properties.* ***POLYMER INTERNATIONAL, 71(1): 146-153 2022***

1. *Poddar, M. K., Moholkar, V. S., & Chakma, S*

*Sonochemical Synthesis of Polymer Nanocomposites.*

***In book: Advanced Applications of Micro and Nano Clay II: Synthetic Polymer Composites, 129, 233-281 2022***

1. *Jeronsia, JE; Ragu, R;...&Das, J*

*Elucidating the structural, anticancer, and antibacterial traits of Punica granatum peel extracts-mediated Ag and Ag/GO nanocomposites,* ***MICROSCOPY RESEARCH AND TECHNIQUE, 2021, DOI: 10.1002/jemt.23883***

1. *Elbahri, M; Hedayati, MK; Homaeigohar, S; Abdelaziz, M*

*Reawakening of plasmonic nanocomposites with the polarizonic reflective coloration: from metal to molecules.*

***FRONTIERS OF NANOSCIENCE,  In book: Cluster Beam Deposition of Functional Nanomaterials and Devices, ELSEVIER, 15: 185-214 2020***

1. *Tamayo, L; Palza, H; Bejarano, J; Zapata, PA*

*Polymer Composites With Metal Nanoparticles: Synthesis, Properties, and Applications.*

***Chapter In Polymer Composites with Functionalized Nanoparticles, Elsevier, pp. 249-286 2019***

1. *de Souza Neto, FN; Sala, RL; Fernandes, RA; Xavier, TPO; Cruz, SA; ... & de Camargo, ER*

*Effect of synthetic colloidal nanoparticles in acrylic resin of dental use.*

***EUROPEAN POLYMER JOURNAL, 112: 531-538 2019***

1. *Abdullah, R; Aziz, SA; &...Kadir, MFZ*

*Reducing the Crystallite Size of Spherulites in PEO-Based Polymer Nanocomposites Mediated by Carbon Nanodots and Ag Nanoparticles,****NANOMATERIALS 9(6):874, 2019, DOI: 10.3390/nano9060874***

1. *Ghosh, S;* *Acharyya , M; Mandal, SM*

*Novolac-based Polymer-silver Nanoparticles Hybrid: Synthesis, Characterization and Antibacterial Evaluation*

***CURRENT APPLIED POLYMER SCIENCE, 2019, DOI : 10.2174/2452271602666181001123210***

1. *Santos, CCD*

*Síntese de nanopartículas de prata e cobre: preparação e estabilidade coloidal de nanofluidos em meio aquoso.*

***Doctoral thesis, 2019, Brasil, https://repositorio.unesp.br/handle/11449/183581***

1. *Soljacic, M; Zhen, B; Anquillare, E; Yang, Y; Hsu, CW; Joannopoulos, JD*

*Transparent displays with scattering nanoparticles and thin films for enhanced scattering*

***U.S. Patent No. 10,324,237. Washington, DC: U.S. Patent and Trademark Office, 2019,* *https://patents.google.com/patent/US10324237B2/en***

1. *Gao, S; Xing, H*

*Effect of nanosilver on the thermal stability and thermal decomposition kinetics of poly(acetoacetoxyethyl methacrylate–styrene),****JOURNAL OF ELASTOMERS AND PLASTICS , 2018, DOI:10.1177/0095244318758157***

1. *Jiang, WS; Heng, YY; Yang, WC; Hui, YC*

*Preparation and Property of Nano-Ag/illite Composite Material,****JOURNAL OF INORGANIC MATERIALS, 33(5):570 2018***

1. *Nalivaiko, RP; Adlienė, D;...&Gadišauskas, T*

*Composites Containing Ag Nanoparticles for X-ray Protection,*

***Proceedings of 1th International Conference CNDGS’2018, 1: 52-59 2018, DOI 10.47459/cndcgs.2018.7***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Yang, D; Chen, Y; Peng, HS; Chen, G; Lin, Z*

*An integrated experimental and theoretical study on optical properties of uniform hairy noble metal nanoparticles.*

***NANOSCALE, 2018, DOI: 10.1039/C8NR07115B***

1. *Hsu, CW; Qiu, W; Zhen, B; Shapira, O; Soljacic, M*

*Methods and apparatus for transparent display using scattering nanoparticles*

***U.S. Patent No. 9,927,616, 2018, Washington, DC: U.S. Patent and Trademark Office****.* ***https://patents.google.com/patent/US9927616B2/en***

1. *Abareshi, M; Shahroodi, SM*

*Effects of silver nanoparticles on the thermal properties of polyethylene matrix nanocomposites.*

***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 128(2):1117–1124 2017***

1. *Ma, H; Hei, Y; Wei, T; Li, H*

*Three-dimensional interconnected porous tablet ceramic: Synthesis and Pb (II) adsorption.*

***MATERIALS LETTERS, 196: 396-399 2017***

1. *Salas-Papayanopolos, H; Morales-Cepeda, AB; Sanchez, S; Lafleur, PG; Gomez, I*

*Synergistic effect of silver nanoparticle content on the optical and thermo-mechanical properties of poly(l-lactic acid)/glycerol triacetate blends,****POLYMER BULLETIN, 2017, doi:10.1007/s00289-017-1992-4***

1. *Aziz, SB; Abdulwahid, RT; Rasheed, MA; Abdullah, OG; Ahmed, HM*

*Polymer Blending as a Novel Approach for Tuning the SPR Peaks of Silver Nanoparticles*

***POLYMERS, 9(10), p.486 2017, doi:10.3390/polym9100486***

1. *Aziz, SB*

*Morphological and Optical Characteristics of Chitosan (1− x): Cuox (4≤ x≤ 12) Based Polymer Nano-Composites: Optical Dielectric Loss as an Alternative Method for Tauc’s Model.*

***NANOMATERIALS, 7(12), 444, 2017, doi:***[***10.3390/nano7120444***](http://dx.doi.org/10.3390/nano7120444)

1. *Humud, HH; Abed, MA;Khudhair, DM*

*Measurement of Optical, Morphological, and Structural Properties of PMMA/Fe 2 O 3 Nanocomposite Thin Films by plasma jet,****JOURNAL OF COLLEGE OF EDUCATION FOR PURE SCIENCES, 7(4):2393-303 2017***

1. *Hsu, CW; Qiu, W; Zhen, B; Shapira, O; Soljacic, M*

[*Methods and apparatus for transparent display using scattering nanoparticles*](https://patents.google.com/patent/US9677741B2/en)

***U.S. Patent No. 9,677,741. Washington, DC: U.S. Patent and Trademark Office, 2017***

1. *Soljacic, M; Zhen, B; Anquillare, E;… & Joannopoulos, JD*

*Apparatus, systems, and methods of transparent displays*

***U.S. Patent Application No. 15/476,199., 2017, https://patents.google.com/patent/US20170299149A1/en***

1. *Xiang, B; Zhang, J*

*Using ultrasound-assisted dispersion and in situ emulsion polymerization to synthesize TiO 2/ASA (acrylonitrile-styrene-acrylate) nanocomposites.* ***COMPOSITE PART B: ENGINEERING, 99: 196-202 2016***

1. [*Kausar*](https://www.researchgate.net/profile/Ayesha_Kausar2)*, A; Rafique, I; Anwar, Z; Muhammad, B;*

*Recent Developments in Different Types of Flame Retardant and Effect on Fire Retardancy of Epoxy Composite*

***POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, 55(14) 2016,DOI: 10.1080/03602559.2016.1163607***

1. *Dasari, A; Yu, ZZ; Mai, YW*

*Thermal Properties.* ***Chapter:***[***Engineering Materials and Processes***](http://link.springer.com/bookseries/4604)***, In Polymer Nanocomposites, Springer London, Online ISBN 978-1-4471-6809-6, pp. 161-184, 2016 DOI: 10.1007/978-1-4471-6809-6\_7***

1. *Poddar, MK; Sharma, S; Moholkar, VS*

*Investigations in two-step ultrasonic synthesis of PMMA/ZnO nanocomposites by in–situ emulsion polymerization.*

***POLYMER, 99: 453-469 2016***

1. *Siddiqui, MN; Redhwi, HH; Tsagkalias, I; Softas, C; Ioannidou, MD; Achilias, DS*

*Synthesis and characterization of poly (2-hydroxyethyl methacrylate)/silver hydrogel nanocomposites prepared via in situ radical polymerization.* ***THERMOCHIMICA ACTA, 643: 53-64 2016***

1. *Džunuzović, ES; Džunuzović, JV*

*Optical Properties of Nanocomposites.****Chapter in:Nanocomposite Material,s*** ***Synthesis, Properties and Applications,*** ***Taylor & Francis Group,******eBook ISBN: 978-1-4822-5818-9, p. 207–231, 2016***

1. *MA, Hong – ru; HAI, Hai – ni; FU, Hao; LI, Yu*

*Preparation and Properties of Zirconium - pillared Montmorillonite Macroporous Materials*

***Fine Chemical Industry, 33 (8): 921-926 2016***

1. *Hsu, C. W; Qiu, W; Zhen, B; Shapira, O; Soljacic, M*

*Methods and apparatus for transparent display using scattering nanoparticles*[***Massachusetts Institute of Technology***](https://www.google.com/search?tbo=p&tbm=pts&hl=en&q=inassignee:%22Massachusetts+Institute+Of+Technology%22)***, U.S. Patent No. 9,335,027. Washington, DC: U.S. Patent and Trademark Office.2016, https://www.google.com/patents/US9335027***

1. *Hsu, C. W; Qiu, W; Zhen, B; Shapira, O; Soljacic, M*

*Methods and apparatus for transparent display using up-converting nanoparticles,*[***Massachusetts Institute of Technology***](https://www.google.com/search?tbo=p&tbm=pts&hl=en&q=inassignee:%22Massachusetts+Institute+Of+Technology%22)***, U.S. Patent No. 9,458,989. Washington, DC: U.S. Patent and Trademark Office, 2016, https://www.google.com/patents/US9458989***

1. *Saadatabadi, NM; Nateghi, MR.; Zarandi, M B*

*Determination of the dispersive optical constants of the poly (vinyl chloride) transparent nanocomposite layers containing nanosilver intercalated graphene.* ***POLYMER SCIENCE SERIES A, 57(4): 480-488 2015***

1. *Becaro, A. A., Puti, F. C., Correa, D. S., Paris, E. C., Marconcini, J. M., & Ferreira, M. D.*

*Polyethylene Films Containing Silver Nanoparticles for Applications in Food Packaging: Characterization of Physico-Chemical and Anti-Microbial Properties.* ***JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 15(3):2148-2156 2015***

1. *Gaspar, H; Fernandes, L; Pereira, P; Bernardo, G*

*Enhanced thermal stability of poly (methyl methacrylate) composites with fullerenes.*

***POLYMER BULLETIN, 72: 1775-1786 2015***

1. *Salabat, A; Mirhoseini, F*

*Ionic liquid based microemulsion method for fabrication of poly (methyl methacrylate)–TiO2 nanocomposite as highly efficient visible light photocatalyst.* ***RSC ADVANCES, 5(17): 12536-12545 2015***

1. *Hakeim, OA; Arafa, A A; Abdou, LAW*

*Current Status and Future Outlook Pertaining to Encapsulation of Organic Pigments: Review Article.*

***WORLD JOURNAL OF TEXTILE ENGINEERING AND TECHNOLOGY, 1: 1-22 2015***

1. *Humud, HR; Kadhim, A; Al Kareem, L A*

*Gas Flow Rate Effect on the Nonlinear Optical Properties of Ag/Pmma Nanocomposite Thin Films Prepared by Aerosol Assisted Dielectric Barrier Discharge Plasma Jet Polymerization.****INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND TECHNOLOGY, 5(5): 3310-3316 2015 http://inpressco.com/category/ijcet***

1. *Siddiqui, MN; Redhwi, HH; Vakalopoulou, E; Tsagkalias, I; Ioannidou, MD; Achilias, DS*

*Synthesis, characterization and reaction kinetics of PMMA/silver nanocomposites prepared via in situ radical polymerization.* ***EUROPEAN POLYMER JOURNAL, 72, 7076: 256-269 2015***

1. *Humud, HR; Kadhim, A; Al Kareem, L A*

*Aerosol assisted dielectric barrier discharge plasma jet for Silver\ PMMA nanocomposite thin films preparation*

***ENGINEERING AND TECHNOLOGY JOURNAL,33, Part (B), No.7, 1273-1282 2015***

1. *Gao, ST; Xing, HL; Xu,GC; Zhang, XM*

*In situ synthesis and characterization of nanosilver/poly (2-acrylamido-2-methylpropanesulfonate sodium) composites via microwave,****JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, 28 (7): 1008-1018******2015***

1. *Shengtao, G;Honglong, X; Guocai, XU*

*In-situ synthesisi of nanosilver/P(AAEM-St)composites induced by ultrasonicirradiation and their thermal properties*

***MATERIALS REVIEW 29(10): 61-63 2015, http://www.cqvip.com/qk/90370x/201510/664897692.html***

1. *Pereira, P; Gaspar, H; Fernandes, L; Bernardo, G*

*Impact of Fullerenes on the Thermal Stability of Melt Processed Polystyrene and Poly (Methyl-Methacrylate) Composites.* ***POLYMER TESTING, 47:130-136 2015***

1. *Nateghi, M R; Borhanizarandi, M*

*Optical properties of transparent and conductive composite layers of nanosilver intercalated graphene embedded poly (vinyl chloride).* ***OPTIK-INTERNATIONAL JOURNAL FOR LIGHT AND ELECTRON OPTICS, 2015,doi:10.1016/j.ijleo.2015.08.113***

1. *Нечаев, АИ; Вальцифер, ВА; Стрельников, В Н*

*Влияние параметров эмульсии на размер наночастиц Fe3O4 при гетерофазном синтезе.( Influence of the emulsion parameters on the size of nanoparticles of Fe3O4 under heterophase synthesis)****Бутлеровские сообщения, 42(5): 89-97 2015***

1. *Santos, CCD*

*Síntese de nanopartículas de sulfeto de cobre, preparação e estabilidade coloidal de fluidos trocadores de calor em meio aquoso.****Doctoral dissertation******,Universidade Estadual Paulista Júlio de Mesquita Filho, Instituto de Química, Portugal, 2015,*** [***http://hdl.handle.net/11449/124487***](http://hdl.handle.net/11449/124487)***.***

1. *Ulus, O*

*Polipropilen/modifiye diatomit ile hazırlanan kompozit filmlerin sentezi ve karakterizasyonu.*

***Thesis, Balıkesir Üniversity, Institute of Science Chemistry, 2015,*** [***http://hdl.handle.net/123456789/2697***](http://hdl.handle.net/123456789/2697)

1. *Salas-Papayanopolos, H; Cepeda, ABM;...& Gomez M*

*Synthesis and characterization of silver nanoparticles (nanospheres and nanoprisms) as potential reinforcement in polymer nanocomposites* ***ICANM2015 PROCEEDINGS, 164-169 2015***

1. *Xu, G; Gao, S; Ji, X; Zhang, X*

*Characterization and Synthesis Mechanism of Nanosilver/PAMPS Composites by Microwave*

***SOFT NANOSCIENCE LETTERS, 4(2):15-23 2014***

1. *Gavade, C; Singh, NL; Khanna, PK*

*Optical and Dielectric Properties of Ion Beam Irradiated Ag/Polymethyl Methacrylate Nanocomposites* ***JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 14(8): 5911-5916 2014***

1. *Fu, S., Du, C., Wang, C., Tian, A., & Wang, C*

*Preparation of Nanoscale TiO2-eencapsulated CI Pigment Blue 15: 3 via Sol-Gel Method.*

***SOCIETY FOR IMAGING SCIENCE AND TECHNOLOGY, 2014( 1): 216-219 2014***

***http://www.ingentaconnect.com/content/ist/nipdf/2014/00002014/00000001/art00054***

1. *Gavade, C*

*Effects of ion beam irradiation on transition metals embedded polymer matrix* ***Doctoral dissertation,*** [***Department of Physics***](http://shodhganga.inflibnet.ac.in/jspui/handle/10603/7446) ***,Faculty of Science The MS University of Baroda, India, 2014,*** ***http://hdl.handle.net/10603/37595***

1. *Fateixa, S; Daniel-da-Silva, AL; Jordão, N; Barros-Timmons, A; Trindade, T*

*Effect of colloidal silver and gold nanoparticles on the thermal behavior of poly(t-butyl acrylate) composites*

***COLLOID AND SURFACE A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 436: 231 – 236 2013***

1. [*Ma, L;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55484519300&zone=)[*Yang, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35184570400&zone=)[*Gao, L;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55388903400&zone=)[*Lu, M,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55485319100&zone=)[*Guo, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55484876400&zone=)[*Li, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55333008700&zone=)[*Tu, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7201525558&zone=)[*Zhu, X*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8230168000&zone=)

[*Synthesis and characterization of polymer grafted graphene oxide sheets using a Ce(IV)/HNO3 redox system in an aqueous solution*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871327773&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=5267CE590BB6D25658850905803A555F.N5T5nM1aaTEF8rE6yKCR3A%3a20&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***CARBON, 53: 269-276 2013***

1. *Udayabhaskar, R;* [*Mangalaraja, RV;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603461677&zone=)[*Manikandan, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=17346418000&zone=)[*Arjunan, V;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602644058&zone=)[*Karthikeyan, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602304687&zone=)

[*Room temperature synthesis and optical studies on Ag and Au mixed nanocomposite polyvinylpyrrolidone polymer films*](http://www.scopus.com/record/display.url?eid=2-s2.0-84866852570&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=722EB9E47DB6440A2EFA53CC1C275895.I0QkgbIjGqqLQ4Nw7dqZ4A%3a290&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)*,*[***SPECTROCHIMICA ACTA-PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=24530&origin=resultslist) ***99: 69-73 2012***

1. *Ghanbari, D; Salavati-Niasari M*

[*Preparation and Characterization of Poly Methyl Methacrylate-cadmium Sulfide Nanocomposite*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=7&SID=R1iN1fAPl7f4N@7O3JI&page=1&doc=3&cacheurlFromRightClick=no)

***HIGH TEMPERATURE MATERIALS AND PROCESSES, 31(6): 769-773 2012***

1. [*Xing, H-L;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24726539000&zone=)[*Gao, S-T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=45960977000&zone=)[*Xu, G-C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7404265112&zone=)[*Zhao, J-F;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55370660200&zone=)[*Dou, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55371610500&zone=)[*Bei, P-P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55371123300&zone=)[*Hong, G*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55371646200&zone=)

[*Synthesis and characterization of nanosilver/PAAEM composites via emulsifier-free emulsion polymerization ultrasonically*](http://www.scopus.com/record/display.url?eid=2-s2.0-84866904172&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=pLMMGRUL6Y2Gpql1tO3_UXl%3a170&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****C***[***HINESE JOURNAL OF INORGANIC CHEMISTRY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=25332&origin=resultslist) ***28 (10): 2103-2108 2012***

1. [*Chen, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55184067900&zone=)[*Li, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7410071905&zone=)[*Luo, G;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55183981900&zone=)[*Xiong, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35489454200&zone=)[*Zhang, QSL*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55313903700&zone=)

[*Size-controlled in situ synthesis and photo-responsive properties of silver/poly(methyl methacrylate) nanocomposite films with high silver content*](http://www.scopus.com/record/display.url?eid=2-s2.0-84864712289&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=GbGuoczrVmulvxyLAMFfeft%3a230&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***APPLIED SURFACE SCIENCE, 258 (24): 10180-10184 2012***

1. *Xiong, Y; Luo, G; Chen, C; Yuan, H; Shen, Q; Li, M*

*In situ synthesis of zero-valent silver nanoparticles in polymethylmethacrylate under high temperature*

***APPLIED SURFACE SCIENCE, 258 (15): 5822-5826*** ***2012***

1. [*Rajkumar, T*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23393922400&zone=)*;* [*Sivasamy, P*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16687016400&zone=)*;* [*Sreedhar, B*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35146847500&zone=)*;* [*Vijayakumar, CT*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16687317300&zone=)

[*Chlorinated thermal stabilizer for optically clear PMMA*](http://www.scopus.com/record/display.url?eid=2-s2.0-84859427011&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=rbuY1m3yyQL2aui6AqkaCkS%3a120&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

***POLYMERS FOR ADVANCED TECHNOLOGIES,******23 (5): 829-834 2012***

1. *Stevanovic, M; Savanovic, I; Uskokovic, V; Skapin, SD; Bracko, I; Jovanovic, U; Uskokovic, D*

[*A new, simple, green, and one-pot four-component synthesis of bare and poly(alpha,gamma,l-glutamic acid)-capped silver nanoparticles*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=2&SID=Y157O@A2pbmFGkhg8J5&page=1&doc=2&cacheurlFromRightClick=no) ***COLLOID AND POLYMER SCIENCE,******290(3): 221-231 2012***

1. *Fu,S; Du, C; Zhang, M; Tian, A;Zhang, X*

*Preparation and properties of polymer-encapsulated phthalocyanine blue pigment via emulsion polymerization*

*PROGRESS IN ORGANIC COATINGS 73(2-3): 149-154 2012*

1. *Fu, S; Zhang, K; Zhhang, M;Tian, L*

*Encapsulated phthalocyanine blue pigment with polymerisable dispersant for inkjet printing inks*

*PIGMENT AND RESIN TECHNOLOGY, 41(1): 3-8 2012*

1. *Lah, NAC; Johan MR*

*Facile shape control synthesis and optical properties of silver nanoparticles stabilized by Daxad 19 surfactant*

***APPLIED SURFACE SCIENCE, 257 (17): 7494-7500 2011***

1. *Fateixa,S; Gira˜o,AV; Nogueira, HIS; Trindade, T*

*Polymer based silver nanocomposites as versatile solid film and aqueous emulsion SERS substrates*

***JOURNAL OF MATERIALS CHEMISTRY, 21 (39):15629-15636*** ***2011***

1. *Shi, HJ; Chen, QF; Xu, Y; Lue, BL; Wu, D*

[*PMMA-Templated Synthesis of Porous TiO(2) Micro-Spheres and Application in Photocatalysis*](http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitingArticles&qid=19&SID=Q2HMeLAIjPFf@mn1A5B&page=1&doc=2)

***ACTA CHIMICA SINICA,*** *69(8): 863-869**2011*

1. [*Alsawafta, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=42260938500&zone=)*;* [*Badilescu, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603948816&zone=)*;* [*Paneri, A;.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37081857400&zone=)[*Truong, VV*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7005601336&zone=)*;* [*Packirisamy, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6508095792&zone=)

[*Gold-poly(methyl methacrylate) nanocomposite films for plasmonic biosensing applications*](http://www.scopus.com/record/display.url?eid=2-s2.0-84861766226&origin=resultslist&sort=plf-f&cite=2-s2.0-73849093408&src=s&imp=t&sid=uwgy_4ASzA_DtvEGlzOu0MN%3a150&sot=cite&sdt=a&sl=0&relpos=6&relpos=6&searchTerm=)

***POLYMERS, 3 (4): 1833-1848 2011***

1. *Yao, BH; Xu, GC; Zhang, HY;* [*Han, X*](http://apps.isiknowledge.com/DaisyOneClickSearch.do?product=WOS&search_mode=DaisyOneClickSearch&db_id=&SID=N2iMc2fg5aCh2hIC42B&name=Han%20X&ut=000282806700019&pos=4&cacheurlFromRightClick=no)

[*Synthesis of Nanosilver with Polyvinylpyrrolidone (PVP) by Microwave Method*](http://apps.isiknowledge.com/full_record.do?product=WOS&colname=WOS&search_mode=CitingArticles&qid=28&SID=N2iMc2fg5aCh2hIC42B&page=1&doc=1&cacheurlFromRightClick=no)

*CHINESE JOURNAL OF INORGANIC CHEMISTRY,**26* ***(****9)****:*** *1629-1632**2010*

1. *Pallotta, SC; Kinsey, VA; O'brien, MJ; Prosise, RL; Toussant, JW; Wnuk, AJ*

*Articles and methods for applying color on surfacesU.S. Patent No. 7,622,175. Washington, DC: U.S. Patent and Trademark Office, https://patents.google.com/patent/US7622175B2/en*

**26.** Lazić, V; Šaponjić, Z; **Vodnik, V**; Lazović, S; Dimitrijević, S; Jovančić, P; Nedeljković, J; Radetić, M

*Bactericidal Efficiency of Ag Nanoparticles Deposited onto RF Plasma Pre-treated Polyester Fabrics*

**INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 49 (16): 7287-7293 2010**

1. *Sati, A; Ranade, TN;...&Pratap, A*

*Silver Nanoparticles (AgNPs): Comprehensive Insights into Bio/Synthesis, Key Influencing Factors, Multifaceted Applications, and Toxicity,* ***ACS OMEGA, 2025, DOI: 10.1021/acsomega.4c11045***

1. *Al-Etaibi, AM; El-Apasery, MA*

*A Holistic Review of 3-Dimethylamino-1-Arylpropenones Based Disperse Dyes for Dyeing Polyester Fabrics: Synthesis, Characterization, and Antimicrobial Activities,* ***POLYMERS 16(4):453 2024***

1. *Salama, KF; AlJindan, R;...& Al-Suhami, EA*

*Enhanced antimicrobial performance of textiles coated with TiO2 nanoparticles*

***JOURNAL OF INDUSTRIAL TEXTILES, 2024, DOI: 10.1177/15280837241233743***

1. *Tassw, DF; Birlie, B; Mamaye, T*

*Nanotechnologies past, present and future applications in enhancing functionality of medical textiles: a review.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2024, https://doi.org/10.1080/00405000.2024.2356327***

1. *Bahmanpour, H; Asefi, N; Alizadeh, A*

*Using Cold Plasma Technology as a Method for the Structural Modification of Corn Starch and Its Functional Assessment in Food Models.* ***IRANIAN JOURNAL OF NUTRITION SCIENCES & FOOD TECHNOLOGY, 17(4): 113-121 2023***

1. *Chowdhury, KP; Susan, MABH; Ahmed, S*

*Nanomaterials for Multifunctional Textiles*

***In book: Emerging Applications of Nanomaterials, 2023, DOI: 10.21741/9781644902295-8***

1. *Rahman, KT; Moin, TS;...& Khan, MN*

*Emerging Nano-enable materials in Sports Industry* ***In book: Emerging Applications of Nanomaterials, 141:75-100 2023***

1. *Rumon, MMH; Sarkur, SD...& Roy, CK*

*Nanomaterials for Self-Healing Hydrogels*

***In book: Emerging Applications of Nanomaterials, 2023, DOI: 10.21741/9781644902288-11***

1. *Hassabo, AG;, Zayed, M;...& Othman, HA*

***JOURNAL OF TEXTILES, COLORATION AND POLYMER SCIENCE, 20(1): 11-28 2023***

1. *Palasakar, SS*

*Adhesion studies of atmospheric pressure plasma-modified polyester fabrics with polyurethane coating*

***JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2023, DOI: 10.1080/01694243.2023.2202951***

1. *Meda, US; Soundarya, VG;...&Bhat, N*

*Nano-engineered textiles: Development and applications,*

***MATERIALS SCIENCE AND ENGINEERING: B, 296: 116636 2023***

1. *Prorokova, NP; Odintsova, OI;… & Konovalova, VS*

*Giving Improved and New Properties to Fibrous Materials by Surface Modification.* ***COATINGS, 13(1); 139 2023***

1. *Zhou, F; Peng, Y;...&Sacher, E*

*Enhanced Durability of AgCu Nanoparticle Coatings for molecules The Enhanced Durability of AgCu Nanoparticle Coatings for Antibacterial Nonwoven Air Conditioner Filters****. MOLECULES, 28(14):5446 2023***

1. *Meda, US; Soundarya, VG;...& Bhat, N*

*Nano-engineered textiles: Development and applications,* ***Materials Science and Engineering****,****DOI: 10.1016/j.mseb.2023.116636***

1. *Hemamalimi, T; Gokul, PGK;...&Dev, VRG*

*Silver Nanoparticle-Incorporated Textile Substrate for Antimicrobial Applications*

***In book: Interaction of Nanomaterials With Living Cells, pp. 799-819, Springer Nature Singapore, 2023***

1. *Vrinceanu, N; Bucur, S;...& Suchea, MP*

*Nanoparticle/biopolymer-based coatings for functionalization of textiles: recent developments (a minireview)*

***TEXTILE RESEARCH JOURNAL, 2022, DOI: 10.1177/00405175211070613***

1. *Radetić, M; Marković, D*

*A review on the role of plasma technology in the nano‐finishing of textile materials with metal and metal oxide nanoparticles*

***PLASMA PROCESSES AND POLYMERS, 2022, DOI: 10.1002/ppap.202100197***

1. *Al-Ogaidi, MAZ; Rasheed, BG*

*Enhancement of Antimicrobial Activity of Silver Nanoparticles Using Lasers*

***LASERS IN MANUFACTURING AND MATERIALS PROCESSING, 2022, DOI: 10.1007/s40516-022-00192-4***

1. *Vukoje, I; Lazić, V; ...& Nedeljković, J*

*Influence of glucose, sucrose, and dextran coatings on the stability and toxicity of silver nanoparticles*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2022, DOI: 10.1016/j.ijbiomac.2021.11.089***

1. *Malapit, GM; Baculi, RQ*

*Bactericidal efficiency of silver nanoparticles deposited on polyester fabric using atmospheric pressure plasma jet system.* ***THE JOURNAL OF THE TEXTILE INSTITUTE, 113: 1878-1886 2022***

1. *Naebe, M; Haque, ANMA; Haji, A*

*Plasma-assisted antimicrobial finishing of textiles: A review.****ENGINEERING, 2021, https://doi.org/10.1016/j.eng.2021.01.011***

1. *Dahle, S., Wegewitz, L., Viöl, W., & Maus-Friedrichs, W*

*Formation of silver nanoparticles on lignin and two of its precursors.*

***LES/WOOD, 2021, DOI: https://doi.org/10.26614/les-wood.2021.v70n01a03***

1. *Kędzierska, M; Miłowska, K*

*Silver nanoparticles–possible applications and threats.* ***FOLIA BIOLOGICA ET OECOLOGICA, 17: 14-31 2021***

1. *Nunnelley, KG; Smith, JA*

*Nanotechnology for Filtration-Based Point-of-Use Water Treatment: A Review of Current Understanding.* ***In book: Waste Management: Concepts, Methodologies, Tools, and Applications (pp. 1603-1625). IGI Global, 2020, DOI: 10.4018/978-1-7998-1210-4.ch074***

1. *Belmonte, GK*

*Explorando a radiação eletromagnética na modificação superficial de polímeros: da degradação à litografia e EUV.*

***Doctoral thesis,* *Universidade Federal do Rio Grande do Sul,2020, http://hdl.handle.net/10183/214504***

1. *Nourbakhsh, S; Sepehrnia, H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 111(9), 1269-1276 2020***

1. *Liao, C; Li, Y; Tjong, S*

*Bactericidal and Cytotoxic Properties of Silver Nanoparticles*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 20(2):449, 2019, DOI: 10.3390/ijms20020449***

1. *Velkova, N; Zemljic, LF; Saake, B; Strnad, S*

*Adsorption of cationized xylans onto polyethylene terephthalate fabrics for antimicrobial medical textiles.*

***TEXTILE RESEARCH JOURNAL, 89(4), 473-486 2019***

1. *Lazić, V; Mihajlovski, K; Mraković, A; Illés, E.,… & Nedeljković, JM*

*Antimicrobial activity of silver nanoparticles supported by magnetite.****CHEMISTRY SELECT, 4(14), 4018-4024 2019***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Nourbakhsh, S;Sepehrinia , H; Akbari, E*

*Novel corona discharge treatment of cotton fabric with Cu and ZnO nanoparticles*

***JOURNAL OF THE TEXTILE INSTITUTE, 2019, DOI: 10.1080/00405000.2019.1707346***

1. *Radetić, M; Marković, D*

*Nano-finishing of cellulose textile materials with copper and copper oxide nanoparticles*

***CELLULOSE, 2019, DOI: 10.1007/s10570-019-02714-4***

1. *Vukoje, ID; Džunuzović, E S; Dimitrijević-Branković, S.; Ahrenkiel, S P; Nedeljković, JM*

*Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA- co -EGDMA) polymer,****POLYMER COMPOSITES, 40(7): 2901-2907 2019***

1. *Afshari, S; Montazer, M;Rad, MM*

*A coloured polyester fabric with antimicrobial properties conferred by copper nanoparticles*

***COLORATION TECHNOLOGY, 2019, DOI: 10.1111/cote.12430***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Radetić, M; Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***In Toxicity and Biodegradation Testing, Humana Press, New York, NY, pp. 281-296 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Zhihua, Y;* *Xiaofeng, L; Tingting, Z;…&;* *Yuming, Z*

*Effect of nano-silver on phosphorus uptake and phosphorus release by polyphosphate bacteria and its toxic effects*

***CHINA ENVIRONMENTAL SCIENCE 2018, 38 (8): 2990~2996***

1. *Deshmukh, SP; Patil, S;Mullani, S; Delekar, S*

*Silver nanoparticles as an effective disinfectant: A review*

***MATERIALS SCIENCE AND ENGINEERING C, 2018, DOI: 10.1016/j.msec.2018.12.102***

1. *Nunnelley, KG; Smith, JA*

*Nanotechnology for Filtration-Based Point-of-Use Water Treatment: A Review of Current Understanding.* ***APPLYING NANOTECHNOLOGY FOR ENVIRONMENTAL SUSTAINBILITY, pp. 27-49, 2017***

1. *Harifi, T; Montazer, M*

*Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review.****JOURNAL OF INDUSTRIAL TEXTILES, 46(5), 1147-1169 2017***

1. *Kashid, S; Lakkakula, J; Chauhan, D; Srivastava, R; Raut, RW*

*Biocompatible antimicrobial cotton fibres for healthcare industries: a biogenic approach for synthesis of bio-organic coated silver nanoparticles.****IET NANOBIOTECHNOLOGY, 2017, DOI:***[***10.1049/iet-nbt.2017.0077***](http://dx.doi.org/10.1049/iet-nbt.2017.0077)

1. *Tomsic, B;Vasiljević, J; Simoncic, B;Radetić, M*

[*The influence of corona treatment and impregnation with colloidal TiO2 nanoparticles on biodegradability of cotton fabric*](https://www.researchgate.net/publication/318771263_The_influence_of_corona_treatment_and_impregnation_with_colloidal_TiO2_nanoparticles_on_biodegradability_of_cotton_fabric)*,* ***CELLULOSE, 2017, DOI: 10.1007/s10570-017-1415-6***

1. *Velkova, N; Zemljic, LF; Saake, B; Strnad, S*

*Adsorption of cationized xylans onto polyethylene terephthalate fabrics for antimicrobial medical textiles.*

***TEXTILE RESEARCH JOURNAL, 2017, DOI: 10.1177/0040517517748512***

1. *Al-Balakocy, NG; Shalaby S E*

*Imparting Antimicrobial Properties to Polyester and Polyamide Fibers-State of the Art*

***JOURNAL OF THE TEXTILE ASSOCIATION, 179-201 2017, https://www.researchgate.net/publication/323113527***

1. *Nica, IC; Stan, MS; Dinischiotu, A;...& Diamandescu, L*

*Innovative Self-Cleaning and Biocompatible Polyester Textiles Nano-Decorated with Fe–N-Doped Titanium Dioxide.*

***NANAOMATERIALS, 6(11):214 2016, doi:***[***10.3390/nano6110214***](http://dx.doi.org/10.3390/nano6110214)

1. *Erdem, R; Rajendran, S*

*Influence of Silver Loaded Antibacterial Agent on Knitted and Nonwoven Fabrics and Some Fabric Properties.*

***JOURNAL OF ENGINEERED FABRICS & FIBERS (JEFF), 11(1):38-46 2016***

1. *Ren, X; Liang, J*

*Smart anti-microbial composite coatings for textiles and plastics.* ***Smart Composite Coatings and Membranes, pp. 235-259, 2016***

1. *Butola, BS; Mohammad, F*

*Silver Nanomaterials as Future Colorants and Potential Antimicrobial Agents for Natural and Synthetic Textile Materials.* ***RSC ADVANCES; 2016, DOI: 10.1039/C6RA05799C***

1. *Rajski, Ł; Kowal, E; Sajdak, A; Gołąbiewska, A; Paszkiewicz, M; Zaleska-Medynska, A*

*Biobójcze wykończenie tkanin (Biocidal finishing of textiles)****Przegląd Włókienniczy-Włókno, Odzież, Skóra, 4: 22-28 2016, http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-7e63589e-c791-44f9-ab3e-1543bd07d0ea***

1. *Zhou, CE; Kan, CW; Yuen, CWM; Matinlinna, JP; Tsoi, JKH; Zhang, Q*

*Plasma treatment applied in the pad-dry-cure process for making rechargeable antimicrobial cotton fabric that inhibits S. Aureus.****TEXTILE RESEARCH JOURNAL, 86(20): 2202-2215 2016***

1. *Rivero, PJ; Urrutia, A; Goicoechea, J; Arregui, FJ*

*Nanomaterials for Functional Textiles and Fibers,****NANOSCALE RESEARCH LETTERS, 10(1): 1-22 2015***

1. *Duncan, TV;Pillai, K*

*Release of Engineered Nanomaterials from Polymer Nanocomposites: Diffusion, Dissolution, and Desorption.*

***ACS APPLIED MATERIALS & INTERFACES, 7 (1): 2-19 2015***

1. *Rode, C; Zieger, M; Wyrwa, R; Thein, S; Wiegand, C; Weiser, ML;Wehner, D; Hipler, UC*

*Antibacterial Zinc Oxide Nanoparticle Coating of Polyester Fabrics.*

***JOURNAL OF TEXTILE SCIENCE AND TECHNOLOGY, 1(2): 65-74 2015***

1. *Puač, N; Lazović, S; Zaplotnik, R; Mozetič, M; Petrović, ZL; Cvelbar, U*

*Effect of dissipated power due to antenna resistive heating on E- to H-mode transition in inductively coupled oxygen plasma,****INDIAN JOURNAL OF PHYSICS, 89 (6): 635-640 2015***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO<inf>2</inf>/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Harifi, T; Montazer, M*

*Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review.* ***JOURNAL OF INDUSTRIAL TEXTILES, 2015, doi: 10.1177/1528083715601512***

1. *Islam, SU; Mohammad, F*

*High-Energy Radiation Induced Sustainable Coloration and Functional Finishing of Textile Materials*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 54 (15): 3727-3745 2015***

1. *Vukoje, ID; Džunuzović, E S; Lončarević, DR; Dimitrijević, S.; Ahrenkiel, S P; Nedeljković, JM*

*Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly (GMA‐co‐EGDMA) polymer support.* ***POLYMER COMPOSITES, 2015, DOI: 10.1002/pc.23684***

1. *An, J; Luo, Q; Li, M; Wang, D; Li, X; Yin, R*

*A facile synthesis of high antibacterial polymer nanocomposite containing uniformly dispersed silver nanoparticles.*

***COLLOID AND POLYMER SCIENCE,******293: 1997-2008******2015***

1. *Cools, P; Morent, R; Geyter, ND*

*Plasma Modified Textiles for Biomedical Applications,Chapter 5 in: Advances in Bioengineering*

***InTech book edited by Pier Andrea Serra, ISBN 978-953-51-2141-1, 2015, DOI: 10.5772/59770***

***http://www.intechopen.com/books/advances-in-bioengineering/plasma-modified-textiles-for-biomedical-applications***

1. *Dahle, S; Höfft, O; Viölc, W; Maus-Friedrichs, W*

[*The catalytic decomposition of silver coated cinnamyl alcohol during water exposure and the formation of silver nanoparticles*](http://www.sciencedirect.com/science/article/pii/S0039602813003373)*,****SURFACE SCIENCE, 621: 133-139 2014***

1. *Modic, M; Junkar, I; Stana‐Kleinschek, K; Kostanjšek, R; Mozetič, M*

*Morphology Transformations of Platelets on Plasma Activated Surfaces*

***PLASMA PROCESSES AND POLYMERS, 11 (6): 596-605 2014***

1. *Harifi, T; Montazer, M*

*Photo, Bio and Magneto Active Colored Polyester Fabric with Hydrophobic/Hydrophilic and Enhanced Mechanical Properties through Synthesis of TiO2: Fe3O4/Ag Nanocomposite*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH****,* ***53: 1119–1129 2014***

1. *Vukoje, ID; Tomašević-Ilić, TD; Zarubica, AR;...& Nedeljković, JM*

*Silver film on nanocrystalline TiO2 support: Photocatalytic and antimicrobial ability*

***MATERIALS RESEARCH BULLETIN, 60: 824-829 2014***

1. *Rai, M; Birla, S; Ingle, A P; Gupta, I; Gade, A; Abd-Elsalam, K., Marcato, PD; Duran, N*

*Nanosilver: an inorganic nanoparticle with myriad potential applications. Nanotechnology Reviews*

***NANOTECHNOLOGY REVIEWS, ISSN (Online) 2191-9097, 3(3): 281-309 2014***

1. [*Peng, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55223800200&zone=)[*Zhang, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56106505000&zone=)[*Wu, Y;Liu,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=56105722200&zone=) *H; Ran,J;* [*Li, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36062846100&zone=)[*Yang, F*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55489699400&zone=)

*In situ synthesis of silver nanoparticles on fabric attached with chitosan*

[***CHEMICAL JOURNAL OF CHINESE UNIVERSITIES,***](http://www.scopus.com/source/sourceInfo.url?sourceId=24057&origin=resultslist)  ***35 (2):415-420 2014***

1. [*Hendrick, E;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=17345873200&zone=)[*Frey, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7201869227&zone=)

*Increasing surface hydrophilicity in poly(lactic acid) electrospun fibers by addition of Pla-B-Peg co-polymers*

[***JOURNAL OF ENGINEERED FIBERS AND FABRICS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=17500155115&origin=resultslist)  ***9(2): 153-164 2014***

1. *Zille, A; Almeida, L; Amorim, T; Carneiro, N; Esteves, M F; Silva, CJ; Souto, AP*

*Application of nanotechnology in antimicrobial finishing of biomedical textiles*

***MATERIALS RESEARCH EXPRESS, 1(3): 032003 2014***

1. *Dahle, S; Wegewitz, L; Viöl, W; Maus-Friedrichs, W*

*The silver nanoparticle formation on AR plasma treated pine wood.****TOWARDS FOREST PRODUCTS AND PROCESSES WITH LOWER ENVIRONMENTAL IMPACT, ISBN (e-book): 978-989-643-122-8, 299-309 2014.***

1. *Zhang, H; Wu, M; Sen, A*

*Silver nanoparticle antimicrobials and related materials*

***NANO-ANTIMICROBIALS: PROGRESS AND PROSPECTS, CHAPTER, Springer-Verlag Berlin, pp. 3-45 2014***

1. *Gaikwad, SC, Birla, SS; Ingle, AP; Gade, AK; Marcato, PD; Rai, M; Duran, N*

*Screening of different Fusarium species to select potential species for the synthesis of silver nanoparticles*

***JOURNAL OF BRAZILIAN CHIMICAL SOCIETY, 24 (12):1974-1982 2013***

1. [*Dahle, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25648889600&zone=)[*Meuthen, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55806375900&zone=)[*Viöl, W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8725364600&zone=)[*Maus-Friedrichs, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003745737&zone=)

[*Adsorption of silver on glucose studied with MIES, UPS, XPS and AFM*](http://www.scopus.com/record/display.url?eid=2-s2.0-84883869737&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=4399EBEBC4DAF49B045CF421287B4CD3.53bsOu7mi7A1NSY7fPJf1g%3a100&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

***APPLIED SURFACE SCIENCE, 284: 514-522 2013***

1. [*Dahle, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25648889600&zone=)[*Meuthen, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55806375900&zone=)[*Viöl, W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8725364600&zone=)[*Maus-Friedrichs, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003745737&zone=)

[*Adsorption of silver on cellobiose and cellulose studied with MIES, UPS, XPS and AFM*](http://www.scopus.com/record/display.url?eid=2-s2.0-84884415072&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=879DC219A88F4328EC10992816696CC0.I0QkgbIjGqqLQ4Nw7dqZ4A%3a400&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

***CELLULOSE, 20 (5): 2469-2480 2013***

1. [*Milošević, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756627700&zone=)[*Radoičić, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23052093100&zone=)[*Šaponjić, Z;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603558005&zone=)[*Nunney, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506816852&zone=)[*Marković, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55756811800&zone=)[*Nedeljković, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)[*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*In situ generation of Ag nanoparticles on polyester fabrics by photoreduction using TiO2 nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878633521&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a430&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

[***JOURNAL OF MATERIALS SCIENCE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=21162&origin=resultslist)  ***48 (16): 5447-5455 2013***

1. [*Yuan, Z-H,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55355916700&zone=)[*Tang, X-L,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55845108900&zone=)[*Bai, Y-Q;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55844929100&zone=)[*Tang, T;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55834764300&zone=)[*Yu, C-P*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8297721400&zone=)

[*Effects of silver nanoparticles on photosynthesis and respiration of Chlorella vulgaris*](http://www.scopus.com/record/display.url?eid=2-s2.0-84883472262&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a230&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

[***CHINA ENVIRONMENTAL SCIENCE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=22618&origin=resultslist)  ***33 (8): 1468-1473 2013***

1. [*Eckhardt, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=39862874200&zone=)[*Brunetto, PS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24331003900&zone=)[*Gagnon, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55212687300&zone=)[*Priebe, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55163696300&zone=)[*Giese, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7103291063&zone=)[*Fromm, KM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003944072&zone=)

[*Nanobio silver: Its interactions with peptides and bacteria, and its uses in medicine*](http://www.scopus.com/record/display.url?eid=2-s2.0-84876732930&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=768C5E9F34FFCDC634CF093008E53872.aqHV0EoE4xlIF3hgVWgA%3a230&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=1&searchTerm=)

***CHEMICAL REVIEWS, 113 (7): 4708-4754 2013***

1. *Yazdanshenas, ME; Shateri-Khalilabad, M*

*In situ synthesis of silver nanoparticles on alkali-treated cotton fabrics*

***JOURNAL OF INDUSTRIAL TEXTILES, 42(4):459-474 2013***

1. [*Vu, NK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55622491500&zone=)[*Zille, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7801341189&zone=)[*Oliveira, FR;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35181742400&zone=)[*Carneiro, N;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14049991500&zone=)[*Souto, AP*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004255232&zone=)

*Effect of particle size on silver nanoparticle deposition onto dielectric barrier discharge (DBD) plasma functionalized polyamide fabric,****PLASMA PROCESSES AND POLYMERS, 10 (3):285-296 2013***

1. [*Lazović, S.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25825171700&zone=)*,* [*Puač, N.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6503919761&zone=)*,* [*Spasić, K.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55209927200&zone=)*,* [*Malović, G.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603235150&zone=)*,* [*Cvelbar, U.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6602515139&zone=)*,* [*Mozetič, M.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006476419&zone=)*,* [*Radetić, M.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)*,* [*Petrović, Z.L.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7102549044&zone=)

[*Plasma properties in a large-volume, cylindrical and asymmetric radio-frequency capacitively coupled industrial-prototype reactor*](http://www.scopus.com/record/display.url?eid=2-s2.0-84873633959&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=4B673ADDF24CE0114CC89AF221EC2739.kqQeWtawXauCyC8ghhRGJg%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF PHYSICS*** [***D: APPLIED PHYSICS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=28570&origin=resultslist) ***46 (8), art. no. 075201 2013***

1. [*Radetić, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603051468&zone=)

[*Functionalization of textile materials with silver nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871621311&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF MATERIALS SCIENCE, 48 (1):95-107 2013***

1. *Mohamed, NH*

*Surface Modification of Synthetic Fibers for Antibacterial Applications* ***Doctoral dissertation, Universität Duisburg-Essen, Fakultät für Chemie 2013,*** ***http://duepublico.uni-duisburg-essen.de/servlets/DocumentServlet?id=30071***

1. [*Lazović, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25825171700&zone=)

[*Diagnostics and biomedical applications of radiofrequency plasmas*](http://www.scopus.com/record/display.url?eid=2-s2.0-84871585315&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=12926B57A87B0B08F1AF481BA58EC16F.euC1gMODexYlPkQec4u1Q%3a260&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&searchTerm=)

***JOURNAL OF PHYSICS, 399 art. no. 012015 2012***

1. *Škoro, N*

*Breakdown and discharge regimes in standard and micrometer size dc discharges*

***JOURNAL OF PHYSICS, 399 art. no. 012017 2012***

1. [*Yazdanshenas, ME;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23973960300&zone=)[*Shateri-Khalilabad, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=34868519200&zone=)

[*The effect of alkali pre-treatment on formation and adsorption of silver nanoparticles on cotton surface*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870684333&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=7DC32BB192E3C8F9F3B8042BE4233B71.f594dyPDCy4K3aQHRor6A%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

[***FIBERS AND POLYMERS,***](http://www.scopus.com/source/sourceInfo.url?sourceId=144862&origin=resultslist) ***13 (9):1170-1178 2012***

1. [*Dahle, S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55019348200&zone=)*;* [*Marschewski, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55020745900&zone=)*;* [*Wegewitz, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55019705500&zone=)*;* [*Viöl, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55025378600&zone=)*;* [*Maus-Friedrichs, W*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55025246300&zone=)

[*Silver nanoparticle formation on Ar plasma - Treated cinnamyl alcohol*](http://www.scopus.com/record/display.url?eid=2-s2.0-84857375099&origin=resultslist&sort=plf-f&cite=2-s2.0-77955597979&src=s&imp=t&sid=ukZdyvYdISXEq6EB89g3wmP%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***JOURNAL OF APPLIED PHYSICS, 111 (3), art. no. 034902 2012***

1. *Zhang,H; Wu,M; Sen, A*

*Silver Nanoparticle Antimicrobials and Related Materials,****NANO-ANTIMICROBIALS, pp 3-45 2012, SPRINGER-VERLAG BERLIN HEIDELBERG, doi: 10.1007/978-3-642-24428-5\_1***

1. [*Barnaby, SN*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36995197600&zone=)*;* [*Yu, SM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37113527400&zone=)*;* [*Fath, KR*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35310061300&zone=)*;* [*Tsiola, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506609991&zone=)*;* [*Khalpari, O*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37089111100&zone=)*;* [*Banerjee, IA*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35241700900&zone=)

*Ellagic acid promoted biomimetic synthesis of shape-controlled silver nanochains*

[***NANOTECHNOLOGY,***](http://www.scopus.com/source/sourceInfo.url?sourceId=110040&origin=resultslist)  ***22 (22): art. no. 225605 2011***

1. *Ražić, SE; Čunko, R; Bukošek, V; Matica, B*

*Antimicrobial modification of cellulose fabrics using low-pressure plasma and silver compounds*

***TEKSTIL 60 (9): 427-440 2011***

1. *Ražić, SE; Čunko, R; Bukošek, V; Matica, B*

*Primjena niskotlačne plazme u antibakterijskoj modifikaciji celuloznih tkanina srebrovim spojevima*

***TEKSTIL 60 (9): 413-426 2011***

1. *Chen, W ; Li, W; Tang-Hunan, Y*

*Preparation and Characterization of Hybrid Mesoporous Silica Sol*

***JOURNAL OF HNNAN UNIVERSITY OF TECHNOLOGY, 25(4) 2011, doi:*** [***10.3969/j.issn.1673-9833.2011.04.007***](http://dx.doi.org/10.3969%2fj.issn.1673-9833.2011.04.007)

|  |  |
| --- | --- |
|  |  |

**27.** Mishra, S; Ahrenkiel, SP; **Vodnik, VV**; Šaponjić, ZV; Nedeljković, JM

*Synthesis and Characterization of Electrospun Poly (vinyl pyrrolidone)(PVP) and Poly (vinyl alcohol)(PVA) Nanofibers with Au Nanoparticles***,MICROSCOPY AND MICROANALYSIS, 16 (S2), 1288-1289 2010**

1. *Shankhwar, N; Kumar, M.; Mandal, BB; Robi, PS; Srinivasan, A*

*Electrospun Polyvinyl alcohol-Polyvinyl pyrrolidone Nanofibrous Membranes for Interactive Wound Dressing Application.* ***JOURNAL OF BIOMATERIALS SCIENCE, POLYMER EDITION, 27(3): 1-37 2015, DOI:***

***10.1080/09205063.2015.1120474***

**28.** [Pandis, C](http://www.scopus.com/search/submit/author.url?author=Pandis+C.&origin=resultslist&authorId=18936516600); [Logakis, E](http://www.scopus.com/search/submit/author.url?author=Logakis+E.&origin=resultslist&authorId=8588009800); [Kyritsis, A](http://www.scopus.com/search/submit/author.url?author=Kyritsis+A.&origin=resultslist&authorId=35275122400); [Pissis, P](http://www.scopus.com/search/submit/author.url?author=Pissis+P.&origin=resultslist&authorId=35514385600); [**Vodnik, VV**](http://www.scopus.com/search/submit/author.url?author=Vodnik+V.V.&origin=resultslist&authorId=6508327780); [Dzunuzovic, E](http://www.scopus.com/search/submit/author.url?author=Dzunuzovic+E.&origin=resultslist&authorId=6506190033); [Nedeljkovic, JM](http://www.scopus.com/search/submit/author.url?author=Nedeljkovic+J.M.&origin=resultslist&authorId=48061447600); Đoković, V; Rodríguez Hernández, JC; [Gomez Ribelles, JL](http://www.scopus.com/search/submit/author.url?author=Gomez+Ribelles+J.L.&origin=resultslist&authorId=35242166000)   
[*Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites*](http://www.scopus.com/record/display.url?eid=2-s2.0-79961173420&origin=resultslist&sort=plf-f&cite=2-s2.0-79961173420&src=s&imp=t&sid=SiEq5HJ1pk8uE7dhev0_8jg%3a150&sot=cite&sdt=a&sl=0)**EUROPEAN POLYMER JOURNAL, 47 (8):1514-1525 2011**

1. *Salameh, S, Soboh, S;...& Sawalha, SH*

*Preparation of Silver Nanoparticles/Polyvinyl alcohol Nanocom-posite Films with Enhanced Electrical, Thermal, and Antimicro-bial Properties,* ***An-Najah University Journal for Research - A (Natural Sciences), 2025, DOI: 10.35552/anujr.a.39.3.2380***

1. *Cai, L; Chen, X;... & Krishnamoorti, R*

*Unveiling the Pressure-Induced Dynamics on the Glass Transition Temperature of Hydrogenated Nitrile Rubber.* ***MACROMOLECULES. 2024, https://doi.org/10.1021/acs.macromol.4c01409***

1. *Salameh, S; Soboh, S ... & Sawalha, S*

*Preparation of Silver Nanoparticles/Polyvinyl alcohol Nanocom-posite Films with Enhanced Electrical, Thermal, and Antimicro-bial Properties.****An-Najah University Journal for Research-A (Natural Sciences), 9999(9999), 2024***

1. *Barala, M; Jaglan, J...& Sharma, P*

*Optical and Dispersion Energy Parameters of PS/Ag Nanocomposite Foils and Their Antibacterial Activity Against MDR Bacteria.* ***BRAZILIAN JOURNAL OF PHYSICS, 2023, DOI: 10.1007/s13538-022-01234-0***

1. *Mohammed, AN; Ali, NA;...&Abd-Elnaiem, AM*

*Nanoarchitectonics of Silver/Poly (Methyl Methacrylate) Films: Structure, Optical Characteristics, Antibacterial Activity, and Wettability,* ***Journal of Inorganic and Organometallic Polymers and Materials, 2023, DOI: 10.1007/s10904-022-02525-4***

1. *Sagar, R; Gaur, MS; ...& Rogachev, AA*

*Effect of BaZrO3 and BaTiO3 nanofillers on dielectric and thermal properties of poly(vinyl chloride)/polyvinylidene fluoride nanohybrid,* ***JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2023, DOI: 10.1007/s10973-023-12164-7***

1. *Erol, I; Cigerci, IH;...& Aksu, M*

*Synthesis of moringa oleifera coated silver-containing nanocomposites of a new methacrylate polymer having pendant fluoroarylketone by hydrothermal technique and investigation of thermal, optical, dielectric and biological properties*

***JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION, 2022, DOI: 10.1080/09205063.2022.2046986***

1. *Popov, I; Sokolov, AP*

*Fundamentals of Dielectric Spectroscopy in Polymer Nanocomposites,*

***In book: Dynamics of Composite Materials, 2022, DOI: 10.1007/978-3-030-89723-9\_2***

1. *Barala, M; Mehkoom, M...&Afzal, SM*

*Nonlinear optical characterization and optical limiting of silver nanoparticles embedded polystyrene foils*

***JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, 2022, DOI: 10.1007/S10854-022-09173-X***

1. *Apryatina, KV; Salomatina, EV;...& Smirnova, LA*

*Specific features of thermal properties of polymer composites containing conductive nanoparticles in non-conductive polymer matrices,* ***THERMOCHIMICA ACTA, 2021,DOI: 10.1016/j.tca.2021.179036***

1. *Park, J; Han, S; ... & Choi, SQ*

*Simultaneous Measurement of Glass-Transition Temperature and Crystallinity of As-Prepared Polymeric Films from Restitution.* ***MACROMOLECULES, 2021,******https://doi.org/10.1021/acs.macromol.1c01477***

1. *Popov, I: Carroll, B; ... & Sokolov, AP*

*Strong Reduction in Amplitude of the Interfacial Segmental Dynamics in Polymer Nanocomposites.*

***MACROMOLECULES, 2020, https://doi.org/10.1021/acs.macromol.0c00496***

1. *Durmaz, BU; Atılgan, MG; Aytac, A*

*Evaluation of the morphological, rheological, dynamic mechanical and mechanical characteristics of compatibilized graphene oxide/poly (ethylene terephthalate)/poly (butylene terephthalate) nanocomposites.*

***POLYMER COMPOSITES, 2021, https://doi.org/10.1002/pc.26352***

1. *Jancar, J; Ondreas, F; Lepcio, P; Zboncak, M; Zarybnicka, K*

*Mechanical properties of glassy polymers with controlled NP spatial organization.*

***POLYMER TESTING, 2020, https://doi.org/10.1016/j.polymertesting.2020.106640***

1. *Mukhtarov, A; Smirnov, M; Balakina, M; Vakhonina, T*

*The study of dipolar relaxation in chromophore-containing methacrylic copolymers using thermally stimulated depolarization current measurements.* ***AIP Conference Proceedings, 2308(1): 030016(1-5) 2020, https://doi.org/10.1063/5.0033790***

1. *Wang, M; Sheng, J; Zhou, S; Yang, Z; Zhang, X*

*Effect of Free Surface Layer and Interfacial Zone on Glass-Transition Behavior of PMMA/CNT Nanocomposite.*

***MACROMOLECULES, 2019, DOI: 10.1021/acs.macromol.8b02642***

1. *de Souza Neto, FN; Sala, RL; Fernandes, RA; Xavier, TPO; Cruz, SA;.. & de Camargo, ER*

*Effect of synthetic colloidal nanoparticles in acrylic resin of dental use.*

***EUROPEAN POLYMER JOURNAL, 112, 531-538 2019***

1. *Xu, B; Xu, H; Song, Y; & Zheng, Q*

*Segmental dynamics and linear rheology of nearly athermal all-polystyrene nanocomposites.*

***COMPOSITES SCIENCE AND TECHNOLOGY, 2019,*** ***https://doi.org/10.1016/j.compscitech.2019.04.025***

1. *Xu, Y; Xu, H; Zheng, Q; Song, Y*

*Influence of ionic liquid on glass transition, dynamic rheology, and thermal stability of poly (methyl methacrylate)/silica nanocomposites.* ***JOURNAL OF APPLIED POLYMER SCIENCE, 48007, 2019, https://doi.org/10.1002/app.48007***

1. *Vincent, C; Corn, S; Longuet, C;....& Ferry, L*

*Experimental and numerical thermo-mechanical analysis of the influence of thermoplastic slabs installation on the assessment of their fire hazard,****FIRE SAFETY JOURNAL,*** ***2019,*** ***https://doi.org/10.1016/j.firesaf.2019.102850***

1. *Позднякова, TA; Пучкова, OM*

*Изучение влияния различных эмульгаторов на качество эмульсий экстемпорального изготовления (Study of the influence of various emulgators on the quality of emulsions of ecstemical preparation)*

***ВЕСТНИК ВГУ, СЕРИЯ: ХИМИЯ. БИОЛОГИЯ. ФАРМАЦИЯ, 2: 102-108 2019, УДК 615.451.23***

1. *Mohaddespour, A; Hill, RJ*

*Granular sphere-chain relaxation dynamics to interpret polymer-nanocomposite glass transition temperatures.*

***GRANULAR MATTER, 20(1): 9 2018,*** [***https://doi.org/10.1007/s10035-017-0783-9***](https://doi.org/10.1007/s10035-017-0783-9)

1. *Vincent, C; Ferry,L; Longuet,C; Aprin,L; Rambaud, G*

*Method to characterize the fire behavior of materials assemblies****FIRE AND MATERIALS, 2018, DOI: 10.1002/fam.2516***

1. [*Koutsoumpis*](https://www.researchgate.net/scientific-contributions/2040157383_Stefanos_Koutsoumpis)*, S;Poilakis, A;Klonos, P; Pissis, P*

*Structure, Thermal Transitions and Polymer Dynamics in Nanocomposites Based on Poly(ε–caprolactone) and Nano-Inclusions of 1-3D Geometry,****THERMOCHIMICA ACTA, 2018, DOI: 10.1016/j.tca.2018.05.012***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *de Souza Neto, FN; Sala, RL; Fernandes, RA; Xavier, TPO; Cruz, SA; Paranhos, CM; ... & de Camargo, ER*

*Effect of synthetic colloidal nanoparticles in acrylic resin of dental use.*

***EUROPEAN POLYMER JOURNAL, 2018, https://doi.org/10.1016/j.eurpolymj.2018.10.009***

1. *Seyhan, M;* [*Kucharczyk*](https://www.researchgate.net/researcher/2126436586_William_Kucharczyk)*, W;Yarar, UE;Ozisik, R*

*Interfacial surfactant competition and its impact on poly (ethylene oxide)/Au and poly (ethylene oxide)/Ag nanocomposite properties.****NANOTECHNOLOGY, SCIENCE AND APPLICATIONS, 10: 69-77 2017***

1. *Song, Y; Bu, J; Zuo, M; Gao, Y; Zhang, W; Zheng, Q*

*Glass transition of poly (methyl methacrylate) filled with nanosilica and core-shell structured silica*

***POLYMER, 2017, https://doi.org/10.1016/j.polymer.2017.08.038***

1. *Kourki, H; Famili, MHN; Mortezaei, M; Malekipirbazari, M; Disfani, M N*

*Highly nanofilled polystyrene composite Thermal and dynamic behavior*

***JOURNAL OF ELASTOMERS AND PLASTICS, 48(5): 404-425 2016***

1. *Vincent, C*

*Caractérisation du comportement au feu des matériaux de l'habitat: Influence de l'effet d'échelle*

***Doctoral dissertation, Université de Montpellier, 2016, https://hal.archives-ouvertes.fr/tel-01444795***

1. *Eriksson, M; Goossens, H; Peijs, T*

*Influence of drying procedure on glass transition temperature of PMMA based nanocomposites.*

***NANOCOMPOSITES, 1(1): 36-45 2015***

1. *Molaba, MP; Dudić, D; Luyt, AS*

*Influence of the presence of medium-soft paraffin wax on the morphology and properties of iPP/silver nanocomposites.*

***EXPRESS POLYMER LETTERS, 9(10): 901-915 2015***

1. *Namouchi, F; Jilani, W; Guermazi, H*

*Thermally stimulated depolarization current and dielectric spectroscopy used to study dipolar relaxations and trap level distribution in PMMA polymer.****JOURNAL OF NON-CRYSTALLINE SOLIDS,******427: 76-82 2015***

1. *Makvandi, P; Nikfarjam, N; Sanjani, N S; Qazvini, NT*

*Effect of silver nanoparticle on the properties of poly (methyl methacrylate) nanocomposite network made by in situ photoiniferter-mediated photopolymerization.* ***BULLETIN OF MATERIALS SCIENCE, 1-7.2015 DOI:10.1007/s12034-015-0959-z****,****http://link.springer.com/article/10.1007/s12034-015-0959-z***

1. *Siddiqui, MN; Redhwi, HH; Vakalopoulou, E; Tsagkalias, I; Ioannidou, MD; Achilias, DS*

*Synthesis, characterization and reaction kinetics of PMMA/silver nanocomposites prepared via in situ radical polymerization.* ***EUROPEAN POLYMER JOURNAL, 72, 7076:256-269 2015***

1. *Нечаев, АИ; Вальцифер, ВА; Стрельников, ВН*

*Влияние параметров эмульсии на размер наночастиц Fe3O4 при гетерофазном синтезе.*

***БУТЛЕРОВСКИЕ СООБЩЕНИЯ, 42(5): 89-97 2015***

1. *Bunderšek, A*

*Vpliv vgradnje nanodelcev al (oh) 3 na lastnosti utrjenih akrilnih kompozitov*

***Doctoral dissertation, UNIVERZA V MARIBORU, SLOVENIA, 2015****,* ***https://dk.um.si/IzpisGradiva.php?id=48315***

1. *Lin, Y; Liu, L; Cheng, J; Shangguan, Y; Yu, W; Qiu, B; Zheng, Q*

*Segmental dynamics and physical aging of polystyrene/silver nanocomposites,* ***RSC ADVANCES, 4 (39): 20086-20093 2014***

1. *Molaba, MP*

*Influence of the presence and amount of metal nanoparticles on the thermal and mechanical properties of iPP/soft paraffin wax phase change materials for thermal energy storage.*

***Doctoral thesis, University of Free State, South Africa, 2014, http://hdl.handle.net/11660/1157***

1. [*Kyriakos, K*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=Y2j@8POP56KJ6iHnDjE&field=AU&value=Kyriakos,%20K)*;* [*Raftopoulos, KN*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=Y2j@8POP56KJ6iHnDjE&field=AU&value=Raftopoulos,%20KN)*;…&*[*Pospiech, D*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=Y2j@8POP56KJ6iHnDjE&field=AU&value=Pospiech,%20D)

[*Dielectric and thermal studies of the segmental dynamics of poly(methyl methacrylate)/silica nanocomposites prepared by the solgel method*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=16&SID=Y2j@8POP56KJ6iHnDjE&page=1&doc=1) *,****JOURNAL OF APPLIED POLYMER SCIENCE, 128(6): 3771-3781 2013***

1. [*Teixeira, SS;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55252974200&zone=)[*Dias, CJ;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35580179700&zone=)[*Dionisio, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603922915&zone=)[*Costa, LC*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24757762600&zone=)

[*New method to analyze dielectric relaxation processes: A study on polymethacrylate series*](http://www.scopus.com/record/display.url?eid=2-s2.0-84887614240&origin=resultslist&sort=plf-f&cite=2-s2.0-79961173420&src=s&imp=t&sid=2BDB52AE4629E81EA3574601A0D42EE5.WlW7NKKC52nnQNxjqAQrlA%3a90&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

[***POLYMER INTERNATIONAL,***](http://www.scopus.com/source/sourceInfo.url?sourceId=14456&origin=resultslist) ***62 (12): 1744-1749 2013***

1. [*Lin, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=43861399800&zone=)[*Tan, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55661376800&zone=)[*Qiu, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55561719800&zone=)[*Cheng, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55661161000&zone=)[*Wang, W;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55097178600&zone=)[*Shangguan, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8898069700&zone=)[*Zheng, Q*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7401825747&zone=)

[*Casting solvent effects on molecular dynamics of weak dynamic asymmetry polymer blend films via broadband dielectric spectroscopy*](http://www.scopus.com/record/display.url?eid=2-s2.0-84876742735&origin=resultslist&sort=plf-f&cite=2-s2.0-79961173420&src=s&imp=t&sid=41754B9CC1FD241F102D981DE527D3E2.FZg2ODcJC9ArCe8WOZPvA%3a290&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****JOURNAL OF MEMBRANE SCIENCE, 439:20-27 2013***

1. [*Motaung, T.E.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35219106700&zone=)*,* [*Luyt, A.S.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7004639008&zone=)*,* [*Saladino, M.L.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8645068800&zone=)*,* [*Caponetti, E.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003318612&zone=)

*Study of morphology, mechanical properties, and thermal degradation of polycarbonate-titania nanocomposites as function of titania crystalline phase and content,****POLYMER COMPOSITES, 34 (2):164-172 2013***

1. [*Yan, XL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36138322600&zone=)[*Gong, ZL;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26026337100&zone=)[*Gong, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52563361300&zone=)[*Gao, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=52563300200&zone=)[*Wang, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7405921467&zone=)[*Ruan, X*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16837204700&zone=)

[*Investigation of the glass transition and viscoelastic properties of polycarbonate/multi-walled carbon nanotube composites by positron annihilation lifetime spectroscopy*](http://www.scopus.com/record/display.url?eid=2-s2.0-84872150156&origin=resultslist&sort=plf-f&cite=2-s2.0-79961173420&src=s&imp=t&sid=1921AD931AA97E91D587FA0129396E48.Vdktg6RVtMfaQJ4pNTCQ%3a190&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,****POLYMER, 54 (2):798-804 2013***

1. *Gen, M; Zhong-qiang, XU;  Hai-yan, ZHU*

*Optimal Analytical Procedure for Measuring Glass Transition Temperature of Styrene-Maleic Anhydride Copolymer*

|  |  |
| --- | --- |
| ***SCIENCE TECHNOLOGY AND ENGINEERING, 20(24)*** ***6142-6147 2012*** |  |

1. [*Gong, Z*](http://www.scopus.com/authid/detail.url?authorId=26026337100&eid=2-s2.0-80053062548)*;* [*Gong, J*](http://www.scopus.com/authid/detail.url?authorId=51061169900&eid=2-s2.0-80053062548)*;* [*Yan, X*](http://www.scopus.com/authid/detail.url?authorId=51061881000&eid=2-s2.0-80053062548)*;* [*Gao, S*](http://www.scopus.com/authid/detail.url?authorId=51061044300&eid=2-s2.0-80053062548)*;* [*Wang, B*](http://www.scopus.com/authid/detail.url?authorId=51061743100&eid=2-s2.0-80053062548)*s*

[*Investigation of the effects of temperature and strain on the damping properties of polycarbonate/multiwalled carbon nanotube composites*](http://www.scopus.com/record/display.url?eid=2-s2.0-80053062548&origin=resultslist&sort=plf-f&cite=2-s2.0-79961173420&src=s&imp=t&sid=SiEq5HJ1pk8uE7dhev0_8jg%3a150&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,*[***JOURNAL OF PHYSICAL CHEMISTRY C***](http://www.scopus.com/source/sourceInfo.url?sourceId=5200153123&origin=resultslist)  ***115 (38):18468-18472 2011***

**29.** Mihailović, D; Saponjić, Z; **Vodnik**, **V**; Potkonjak, B; Jovančić, P; Nedeljković, J; Radetić, M

*Multifunctional PES fabrics modified with colloidal Ag and TiO2 nanoparticles,*

**POLYMERS FOR ADVANCED TECHNOLOGIES,** **22: 2244–2249 2011**

1. *Huang, Q; Meng, C;...& Li, Y*

*Hierarchically Porous, Superhydrophobic PLLA/Copper Composite Fibrous Membranes for Air Filtration*

***ACS APPLIED POLYMER MATERIALS, 6(4): 2381–2391 2024***

1. *Dagar, T; Sarkar, S;… & De, S*

*Passageway into a Clean World with the Magical Nanomaterial TiO2.*

***In book: Nanotechnology for Environmental Management, CRC Press, 2024, DOI: 10.1201/9781003350941***

1. *Milošević, M; Radoičić, M;...&* *Šaponjić, Z*

*Advanced photocatalysis mediated by TiO2/Ag/TiO2 nanoparticles modified cotton fabric*

***CELLULOSE, 2023, https://doi.org/10.1007/s10570-023-05165-0***

1. *Chowdhury, KP; Susan, MABH; Ahmed, S*

*Nanomaterials for Multifunctional Textiles*

***In book: Emerging Applications of Nanomaterials, 2023, DOI: 10.21741/9781644902295-8***

1. *Rumon, MMH; Sarkur, SD...& Roy, CK*

*Nanomaterials for Self-Healing Hydrogels*

***In book: Emerging Applications of Nanomaterials, 2023, DOI: 10.21741/9781644902288-11***

1. *Islam, SR; Hassan, MM;...&Zareen, A*

*Sustainable decoloration of polluted water through cellulosic TiO 2 nano- crystalline material composite using sono synthesis*

***JOURNAL OF THE TEXTILE INSTITUTE, 114(1): 75-87 2023***

1. *Prorokova, NP; Odintsova, OI;...& Konovalova, VS*

*Giving Improved and New Properties to Fibrous Materials by Surface Modification,* ***COATINGS 13(1):139 2023***

1. *Abou El-Kheir, A; El-Gabry, LK*

*Potential Applications of Nanotechnology In Functionalization of Synthetic Fibres (A Review).*

***EGYPTIAN JOURNAL OF CHEMISTRY, 65(9), 5-6 2022***

1. *Vrinceanu, N; Bucur, S;...& Suchea, MP*

*Nanoparticle/biopolymer-based coatings for functionalization of textiles: recent developments (a minireview)*

***TEXTILE RESEARCH JOURNAL, 2022, DOI: 10.1177/00405175211070613***

1. *Rabei, H; Montazer, M;...& Sharifi, A*

*Comparison of the effectiveness of textiles containing metal nanoparticle and metal-organic frameworks for protection against ultraviolet radiation: a systematic review and meta-analysis*

***JOURNAL OF THE TEXTILE INSTITUTE, 2022, DOI: 10.1080/00405000.2022.2150950***

1. *Morena, AG; Ferreres, G;...&Tzanov, T*

*Antimicrobial lightweight materials and components*

***In book: Advanced Lightweight Multifunctional Materials, 2023, DOI: 10.1016/B978-0-12-818501-8.00006-8***

1. *Mahmood, A; Militký, J; Pechociakova, M*

*Photocatalysis and Virus* *Spreading.****In book: Textiles and Their Use in Microbial Protection, CRC Press,171, 2021***

1. *Araújo, JC; Fangueiro, R; Ferreira, DP*

*Protective Multifunctional Fibrous Systems Based on Natural Fibers and Metal Oxide Nanoparticles*

***POLYMERS 13(16):2654 2021***

1. *Zhang, H; Tang, Q;...&Mao, N*

*Enhanced Photocatalytic Properties of PET Filaments Coated with Ag-N Co-Doped TiO2 Nanoparticles Sensitized with Disperse Blue Dyes,****NANOMATERIALS 10(5):987 2020, DOI: 10.3390/nano10050987***

1. *Bereznenko, S; Bereznenko, N; Vasylenko, V; ... & Gakhovych, S.*

*Study of effectiveness of uv electromagnetic waves shielding by textile materials.*

***FIBRES AND TEXTILES, 2020, http://vat.ft.tul.cz/2020/2/VaT\_2020\_2\_4.pdf***

1. *Rezaie, AB; Montazer, M; Rad, MM*

*Low toxic antibacterial application with hydrophobic properties on polyester through facile and clean fabrication of nano copper with fatty acid.****MATERIALS SCIENCE AND ENGINEERING: C, 97: 177-187 2019***

1. *Rashid, MM; Mahltig, B*

*Light Absorption of the Aluminium Effect Pigment Coated Textile: An Investigation of Using TiO2 Nanoparticle in the Baseco at and Al2O3 Nanoparticle in the Topcoat,,****JOURNAL OF MATERIALS SCIENCE AND NANOMATERIALS, 3(1): 110 2019***

1. *Rashida, MM; Mahltigb, B*

*Effect of TiO2 Nanoparticles on Aluminium Effect Pigment Coated Fabric-Application of Reflection and Transmission of Light through Fabric.****JOURNAL OF TEXTILE SCIENCE & ENGINEERING, 9(393): 2 2019***

1. *Hou, X; Cai, Y; Mushtaq, M; Song, X; Yang, Q; Huang, F; Wei, Q*

*Deposition of TiO2 Nanoparticles on Porous Polylactic Acid Fibrous Substrates and Its Photocatalytic Capability.*

***JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 18(8), 5617-5623 2018***

1. *Rivero, PJ; Garcia, J; Quintana, I; Rodriguez, R*

*Design of Nanostructured Functional Coatings by Using Wet-Chemistry Methods*

***COATINGS, 8(2):76 2018, DOI:10.3390/coatings8020076***

1. *Radetić, M; Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***In Toxicity and Biodegradation Testing, Humana Press, New York, NY, pp. 281-296 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Giesz, P; Mackiewicz, E; Grobelny, J; Celichowski, G; Cieślak, M*

*Multifunctional hybrid functionalization of cellulose fabrics with AgNWs and TiO2*

***CARBOHYDRATE POLYMERS, 177: 397-405 2017***

1. *Rajput, A; Ramachandran, M; Gotmare, VD; Raichurkar, PP*

*Recent Bioactive Materials for Development of Eco-friendly Dippers: An Overview.*

***JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH, 9(10): 1844-1848 2017***

1. *Aksit, A; Onar Camlibel, N; Topel Zeren, E;Kutlu, B*

*Development of antibacterial fabrics by treatment with Ag-doped TiO2 nanoparticles.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 2017,* *http://dx.doi.org/10.1080/00405000.2017.1311766***

1. *Banerjee, S; Dionysiou, D D; Pillai, SC*

*Self-cleaning applications of TiO2 by photo-induced hydrophilicity and photocatalysis*

***APPLIED CATALYSIS B: ENVIRONMENTAL, 176-177:396-428 2015***

1. *Rivero, PJ; Urrutia, A; Goicoechea, J; Arregui, FJ*

*Nanomaterials for Functional Textiles and Fibers,****NANOSCALE RESEARCH LETTERS, 10(1): 1-22 2015***

1. *Yu, Y*

*UV interactions with fibres and fibrous structures.****Doctoral dissertation, Institute for Frontier Materials, Deakin University, 2015, http://hdl.handle.net/10536/DRO/DU:30084236***

1. *Lakić, M;* [*Košak, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603439467&zone=)[*Gutmaher, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6507396371&zone=)[*Lobnik, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603888752&zone=)

[*Nanomateriali za uporabo v funkcionalnih tekstilijah | [Nanomaterials for functional textiles]*](http://www.scopus.com/record/display.url?eid=2-s2.0-84904051584&origin=resultslist&sort=plf-f&cite=2-s2.0-82155178670&src=s&imp=t&sid=95EA31713DCB98D9A8A7D7EEA878FF53.Vdktg6RVtMfaQJ4pNTCQ%3a1050&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,****TEKSTILEC 57 (2): 139-152 2014***

1. *Rtimi, S; Kiwi J; Pulgar, C*

*Innovative Ag-textiles prepared by colloidal, conventional sputtering and HIPIMS inducing fast bacterial inactivation: Critical Issues,* ***In: textiles:history, properties and performance, editor:md. ibrahim h. mondal, chapter 10, Nova science publishers, ISBN: 978-1-63117-262-5, 277-314 2014***

1. *Radetić, M*

*Functionalization of textile materials with TiO2 nanoparticles*

***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLIGY C: PHOTOCHEMISTRY, 16: 62 - 76 2013***

1. [*Haji, A,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37080812200&zone=)[*Barani, H;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=15756781000&zone=)[*Qavamnia, SS*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55769982500&zone=)

[*In situ synthesis and loading of silver nanoparticles on cotton fabric*](http://www.scopus.com/record/display.url?eid=2-s2.0-84879244894&origin=resultslist&sort=plf-f&cite=2-s2.0-82155178670&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a270&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=1&searchTerm=)*,****INDUSTRIA TEXTILA, 64 (1): 8-12 2013***

1. *Carre, G*

*Compréhension des mécanismes lors de la photocatalyse appliquée à la dégradation des microorganismes: application au traitement de l'air et aux textiles auto-décontaminants* ***Doctoral dissertation, Institut de chimie et procédés pour l'énergie, l'environnement et la santé Strasbourg, 2013, http://www.theses.fr/2013STRAF026***

1. *Abdullah, E A; Abdullah, AH; Zainal, Z;* [*Hussein, MZ;*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=V11M2@PFip79aHIAahi&field=AU&value=Hussein,%20MZ) [*Ban, TK*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=V11M2@PFip79aHIAahi&field=AU&value=Ban,%20TK)

[*Bismuth Basic Nitrate as a Novel Adsorbent for Azo Dye Removal*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=8&SID=V11M2@PFip79aHIAahi&page=1&doc=1) *,****E-JOURNAL OF CHEMISTRY, 9(4): 1885-1896 2012***

1. *Haji, A;Bbarani, H; Sadroddin, S*

*Ag/TiO2 nanocomposite on cotton fabric,****COPERTA PROCEEDINGS TEXTEH 5, 7-15, 2012***

1. *Abdullah, E A; Abdullah, AH; Zainal, Z;* [*Hussein, MZ;*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=V11M2@PFip79aHIAahi&field=AU&value=Hussein,%20MZ) [*Ban, TK*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=V11M2@PFip79aHIAahi&field=AU&value=Ban,%20TK)

*TiO2/Ag modified penta-bismuth hepta-oxide nitrate and its adsorption performance for azo dye removal* ***JOURNAL OF ENVIRONMENTAL SCIENCES-CHINA, 24(10): 1876-1884 2012***

1. *Rtimi, S; Baghriche, O; Sanjines, R, Pulgarin, C; Ben-Simon, M; Lavanchy, J.-C; Houas, A; Kiwi, J*

*Photocatalysis/catalysis by innovative TiN and TiN-Ag surfaces inactivate bacteria under visible light*

***APPLIED CATALYSIS B: ENVIRONMENTAL, 123-124: 306-315 2012***

1. *Temgrel A; Palamutcu, S*

*Functional Textiles III:Textile surfaces with Photocatalytic Self-Cleaning Effect*

***ELECTRONIC JOURNAL OF TEXTILE TECHNOLOGIES, 5(2): 35-50 2011***

**30.** [Pergal, MV;](http://kobson.nb.rs/?autor=Pergal%20Marija%20V) [Dzunuzovic, JV;](http://kobson.nb.rs/?autor=Dzunuzovic%20Jasna%20V) [Kicanovic, MA;](http://kobson.nb.rs/?autor=Kicanovic%20Miodrag%20A) [**Vodnik, VV**;](http://kobson.nb.rs/?autor=Vodnik%20Vesna%20V) [Pergal, MM;](http://kobson.nb.rs/?autor=Pergal%20Miodrag%20M) [Jovanovic, SM](http://kobson.nb.rs/?autor=Jovanovic%20Slobodan%20M)

*Thermal properties of poly(urethane-ester-siloxane)s based on hyperbranched polyester*

**RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, 85 (13): 2251-2256 2011**

1. *Amjed, N; Bhatti, IA; Zia, KM; Iqbal, J; Jamil, Y*

*Synthesis and characterization of stable and biological active chitin-based polyurethane elastomers.* ***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 154, 1149-1157 2020***

1. *Dai, Z; Yang, K; Dong, Q*

*Mechanical, Thermal and Morphology Properties of Thermoplastic Polyurethane Copolymers Incorporating α, ω-Dihydroxy-[poly (propyleneoxide)-poly (dimethylsiloxane)-poly (propyleneoxide)] of Varying Poly (propyleneoxide) Molecular Weight.* ***OPEN JOURNAL OF SYNTHESIS THEORY AND APPLICATIONS, 4(3): 41-57 2015***

1. *Pergal, MV; Dzunuzovic, JV; Poreba, R;* *Micic, D; Stefanov, P; Pezo, L;* [*Spirkova, M*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=WOS&SID=Q2z8sWPhYWRVGZc1hlm&field=AU&value=Spirkova,%20M&cacheurlFromRightClick=no)

[*Surface and thermomechanical characterization of polyurethane networks based on poly(dimethylsiloxane) and hyperbranched polyester*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=1&SID=Q2z8sWPhYWRVGZc1hlm&page=1&doc=1) ***EXPRESS POLYMER LETTERS, 7(10): 806-820 2013***

1. *Byczynski, L; Krol, P*

[*Synzhesis thermal and performance properties of poly(urethane-dimethylsiloxane)anionomers. Part I. Structural studies*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=Q2z8sWPhYWRVGZc1hlm&page=1&doc=4) ***POLIMERY, 58(3): 188-194 2013***

1. *Wiacek, M; Schab-Balcerzak, E*

*Metody uniepalniania polistyrenu uwzględniające istotną rolę modyfikacji chemicznej* ***POLIMERY,******58(3): 181-188 2013***

1. [*Pergal, MV;*](http://kobson.nb.rs/?autor=Pergal%20Marija%20V) [*Dzunuzovic, JV;*](http://kobson.nb.rs/?autor=Dzunuzovic%20Jasna%20V) *Poreba, R; Ostojic, S; Radulovic, A;* [*Spirkova, M*](http://apps.webofknowledge.com/OneClickSearch.do?product=WOS&search_mode=OneClickSearch&colName=WOS&SID=Y2j@8POP56KJ6iHnDjE&field=AU&value=Spirkova,%20M&cacheurlFromRightClick=no)

[*Microstructure and properties of poly(urethane-siloxane)s based on hyperbranched polyester of the fourth pseudo generation*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=Y2j@8POP56KJ6iHnDjE&page=1&doc=2) *,****PROGRESS IN ORGANIC COATINGS,  76 (4): 743-756 2013***

1. [*Džunuzović, JV;*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=36760702600&zone=)[*Džunuzović, ES*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6506190033&zone=)

[*Rheological behavior of hyperbranched polymers*](http://www.scopus.com/record/display.uri?eid=2-s2.0-84951005261&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=BCD4AF07A87AD435E8AF2548D29E074F.ZmAySxCHIBxxTXbnsoe5w%3a1490&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=0&searchTerm=)*,****Nova Science Publishers, Inc., Book Chapter, In*** [***Rheology: Theory, Properties and Practical Applications***](http://www.scopus.com/display/book.url?sourceId=21100431415&requestedPage=book) ***359-382 2013***

1. *Sagar, Sadia; Iqbal, Nadeem; Maqsood, Asghari*

[*Dielectric, electric and thermal properties of carboxylic functionalized multiwalled carbon nanotubes impregnated polydimethylsiloxane nanocomposite*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=1&SID=S2zw324sz9nykMGWFx2&page=1&doc=5&cacheurlFromRightClick=no)*,****JOURNAL OF PHYSICS CONFERENCE SERIES, 439(1):2024 2013, UNSP 012024,******DOI:******10.1088/1742-6596/439/1/012024.***

1. *Pergal MV; Džunuzović JV; Špírková M; Poręba R; Steinhart M; Pergal MM; Ostojić S*

*Study on the morphology and thermomechanical properties of poly(urethane-siloxane) networks based on hyperbranched polyester,****HEMIJSKA INDUSTRIJA, 60(5-6): 22 2013***

1. *Dzunuzovic, J V; Pergal, M V; P, Rafal;* *Ostojic, S; Lazic, N; Spirkova, M; Jovanovic, S*

[*Studies of the Thermal and Mechanical Properties of Poly(urethane-siloxane)s Cross-Linked by Hyperbranched Polyesters*](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=1&SID=X1mNGHHdgb122b7kdM2&page=1&doc=1)*,****INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 51(33) : 10824-10832 2012***

**31.** Vujačić, A; **Vodnik**, **V**; Joksić, G; Petrović, S; Leskovac, A; Nastasijević, B; Vasić,V

*Particle size and concentration dependent cytotoxicity of citrate capped gold nanoparticles*

**DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, 6(3): 1367-1376 2011**

1. *Ingle, PU; Trivedi, HR;...Gade, AK*

*Factors contributing to nanoparticle toxicity*

***In book: Nanotoxicology for Agricultural and Environmental Applications, 2024, DOI: 10.1016/B978-0-443-15570****-3.00017-X*

1. *Petrovic, S; Leskovac, A*

*Protease-Targeting Nanoparticles for Cancer Therapy and Imaging*

***In book: Handbook of Proteases in Cancer: Therapeutic Aspects, CRC Press, 2024,DOI: 10.1201/9781003394693-28***

1. *Petrovic, S; Leskovac, A*

*Prospective Application of Natural and Synthetic Redox Modulators in Oxidative Stress-Targeted Cancer Therapy.****HANDBOOK OF OXIDATIVE STRESS IN CANCER: MECHANISTIC ASPECTS****,* ***2021, https://doi.org/10.1007/978-981-15-4501-6\_130-1***

1. *Laban, B; Ralević, U; Petrović, S;...& Vasić, V*

*Green synthesis and characterization of nontoxic L-methionine capped silverand gold nanoparticles*

***JOURNAL OF INORGANIC BIOCHEMISTRY 204: 1109582 2020***

1. *Veljović, DN;Gurešić, DM;… & Laban, B. B*

*Solid‐State Synthesis of Silver Nanoparticles and Their Catalytic Application in Methylene Blue Reduction.*

***CHEMISTRY SELECT, 5(34): 10488-10494 2020***

1. *Hegazy, RM; Faruk, EM.; Farag, AA; Shawky, LM*

*Estimation of cytotoxicity and genotoxicity of long acting bronchodilator: salmeterol xinafoate nanoparticles (nanotoxicity study),****INTERNATIONAL JOURNAL OF PHARMA AND BIO SCIENCES, 9(1): 155-162 2018***

1. *Khosroshahi, ME*

*Applications of Biophotonics and Nanobiomaterials in Biomedical Engineering****CRC Press, p 405-482 2018***

1. *Rahman, AA; Aziz, AA; Shamsuddin, S; Zakaria, NS*

*Effects of the Gold Nanoparticles (AuNPs) on the Proliferation and Morphological Characteristics of Human Breast Cancer Cells (MCF-7) in Culture.* ***In Solid State Phenomena, Trans Tech Publications, 268: 254-258 2017***

1. *Rajiv, S; Jerobin, J; Saranya, V;...& Chandrasekaran, N*

*Comparative cytotoxicity and genotoxicity of cobalt (II, III) oxide, iron (III) oxide, silicon dioxide, and aluminum oxide nanoparticles on human lymphocytes in vitro,****HUMAN & EXPERIMENTAL TOXICOLOGY, 35 (2): 170-183 2016***

1. *Elci, SG; Marsico, A L; Xing, Y; Yan, B; Vachet, RW*

*Mass spectrometric methods for investigating the influence of surface chemistry of the fate of core-shell nanoparticles in biological and environmental samples.****Book Chapter, Engineered Nanoparticles and the Environment: Biophysicochemical Processes and Toxicity,*** [***John Wiley & Sons***](https://books.google.rs/url?id=6abmDAAAQBAJ&pg=PA31&q=http://www.wiley.com&linkid=1&usg=AFQjCNEs0B7PUb0bRXCx5QOfOemsEE4qcQ&source=gbs_pub_info_r) ***, 4, 2016* , ISBN 9781119275848**

1. *Engelbrecht, M*

*The interaction between 6 MV X-rays and p (66)/Be neutrons with spherical gold nanoparticles to induce cellular damage.****Thesis, University of the Western Cape, Faculty of Natural Science, 2016,*** [***http://hdl.handle.net/11394/5550***](http://hdl.handle.net/11394/5550)

1. *Plavša, M. L*

*Diskursna obeležja javnih prezentacija kompanija/preduzeća.*

***Doctoral dissertation, Универзитет у Београду, 2016, https://hdl.handle.net/21.15107/rcub\_nardus\_6730***

1. *Lozovska, YV; Naleskina, LA; Lukyanova, N Y; Todor, I M; Chekhun, VF*

*Assessment of the geno-and cytotoxic action of colloidal gold nanoparticles on the bone marrow erythroid cell lines and tumors in animals with Ehrlich ascites carcinoma.* ***CYTOLOGY AND GENETICS, 49(1): 42-48 2015***

1. *Zhanga,l; Li, X; Ongc,L;…& Shen,W*

*Cellulose nanofibre textured SERS substrate,* ***COLLOIDS AND SURFACES A, 468 : 309–314 2015***

1. *Rosli, NSB; Rahman, AA; Aziz, AA; Shamsuddin, S*

*Enhancement of radiation cytotoxicity by gold nanoparticles in MCF-7 breast cancer cell lines.*

***AIP Proceedings ,Vol. 1657, No. 1, p. 060007, 2015***

1. *Casta, R; Champeaux, JP; Cafarelli, P; Moretto-Capelle, P; Sence, M*

*Model for electron emission of high-Z radio-sensitizing nanoparticle irradiated by X-rays*

***JOURNAL OF NANOPARTICLES RESEARCH, 16(7): 2480 2014***

1. *Casta, R; Champeaux, J P; Sence, M; Moretto-Capelle, P; Cafarelli, P; Amsellem, A; Sicard-Roselli, C*

*Electronic emission of radio-sensitizing gold nanoparticles under X-ray irradiation: experiment and simulations*

***JOURNAL OF NANOPARTICLES RESEARCH, 16(4): 2348 2014***

1. [*Tournebize, J;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36926370200&zone=)[*Sapin-Minet, A,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35339891300&zone=)[*Bartosz, G;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006116825&zone=)[*Leroy, P,*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7103200736&zone=)[*Boudier, A*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35291543100&zone=)

[*Pitfalls of assays devoted to evaluation of oxidative stress induced by inorganic nanoparticles*](http://www.scopus.com/record/display.url?eid=2-s2.0-84883126913&origin=resultslist&sort=plf-f&cite=2-s2.0-80053152095&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a170&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,****TALANTA, 116: 753-763 2013***

1. [*Lu, Z.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=53877988500&zone=)*,* [*Ma, G.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55587292600&zone=)*,* [*Veinot, J.G.C.*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55389969200&zone=)*,* [*Wong, C.S*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7404954423&zone=)

[*Disruption of biomolecule function by nanoparticles: How do gold nanoparticles affect Phase I biotransformation of persistent organic pollutants?*](http://www.scopus.com/record/display.url?eid=2-s2.0-84882583571&origin=resultslist&sort=plf-f&cite=2-s2.0-80053152095&src=s&imp=t&sid=2CDFDCD0EEB54D1DE6E7407C027F3C36.iqs8TDG0Wy6BURhzD3nFA%3a170&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)*,*[***CHEMOSPHERE,***](http://www.scopus.com/source/sourceInfo.url?sourceId=24657&origin=resultslist)  ***93 (1): 123-132 2013***

1. *Petrović, V; Čolović, M; Krstić, D; Vujačić, A; Petrović, S; Joksić, G; Bugarčić, Ž; Vasić, V*

*In vitro effects of some gold complexes on Na+/K+ ATPase activity and cell proliferation*

***JOURNAL OF INORGANIC BIOCHEMISTRY, 124: 35-41 2013***

1. *Petrović, V*

*Ispitivanje in vitro interakcija jedinjenja zlata sa Na+/K+ ATPazom*

***Doctoral dissertation, Универзитет у Београду, Хемијски факултет, 2013***

1. [*Rahman, AA;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55625491500&zone=)[*Aziz, AA*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=22633362300&zone=)

[*Elucidating the dependence of size and concentration of gold nanoparticles in cellular uptake*](http://www.scopus.com/record/display.url?eid=2-s2.0-84878503699&origin=resultslist&sort=plf-f&cite=2-s2.0-80053152095&src=s&imp=t&sid=9A29B679727E552F7132EA77C336B0DD.f594dyPDCy4K3aQHRor6A%3a350&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

[***MATERALS SCIENCE FORUM,***](http://www.scopus.com/source/sourceInfo.url?sourceId=28700&origin=resultslist)  ***756: 205-211 2013***

**32.** Dzunuzovic JV; Pergal MV; Jovanovic S; **Vodnik VV**

*Synthesis and swelling behavior of polyurethane networks based on hyperbranched polymer*

**HEMIJSKA INDUSTRIJA, 65 (6): 637-644 2011**

1. *Gan, I; Chow,WS;...& Shafiq, MD*

*Polyurethane dispersion/carboxylated nitrile butadiene rubber blends produced by a greener dual crosslinking approach*

***CLEANER MATERIALS, 2024, DOI: 10.1016/j.clema.2024.100252***

1. *Ganvit, VM; Patel, V;..& Sharma, RK*

*Synthesis, physicochemical and thermal properties of urethane‐modified polyesteramide films using mahua and castor oil as sustainable resources,* ***JOURNAL OF APPLIED POLYMER SCIENCE, 2024, DOI: 10.1002/app.54872***

1. *Fernandes, RA; Ferreira, N;...&Carvalho, LH*

*Development of an Innovative Lightweight Composite Material with Thermal Insulation Properties Based on Cardoon and Polyurethane,* ***POLYMERS 16(1):137 2023***

1. *Semsarzadeh, MA; Dadkhah, AS;Sabzevari, A*

*High-performance family of polymeric particles prepared from poly(phenylene oxide)-poly(hexyl isocyanate) liquid crystal block copolymer: synthesis and properties study,* ***Polymers and Polymer Composites, 2022, DOI: 10.1177/09673911221104678***

1. *Semsarzadeh, MA; Dadkhah, AS;Sabzevari, A*

*Polyaniline–calcium titanate perovskite hybrid composites: Structural, morphological, dielectric and electric modulus analysis*

***Polymers and Polymer Composites, 2022,*** ***DOI: 10.1177/09673911221102287***

1. *Pascual, G; Aranguren, MI;Mucci, V*

*Hybrid Films from Blends of Castor Oil and Polycaprolactone Waterborne Polyurethanes,* ***POLYMERS 14(20):4303, 2022***

1. *Cooke III, RH; Wu, J; ... & Storey, RF*

*Polyurethane polymers cured via azide-alkyne cycloaddition.*

***PROGRESS IN ORGANIC COATINGS, 2021, https://doi.org/10.1016/j.porgcoat.2020.106047***

1. *Arif, MM; Khan, SM;...&Butt,MA*

*Polymer-based biomaterials for chronic wound management: Promises and challenges*

***INTERNATIONAL JOURNAL OF PHARMACEUTICS, 598:120270 2021***

1. *Vazquez,R; Tennankore, R; ...&Burns, ML*

*Re-evaluating expanding intravenous catheters in medical practice*

***HEALTH SCIENCE REPORTS, 2021, DOI: 10.1002/hsr2.318***

1. *Ponomareva, PF; Platonova. EO; Polezhaev, A*

*New Chain-Extenders for Recyclable Cross-Linked Polyurethanes*

***KEY ENGINEERING MATERIALS, 899: 518-524 2021***

1. *Pongmuksuwan, P;...&* *Katabunyanont, S*

*Influence of Temperature, Time and Crosslinking Agent on Structure and Properties of Polyurethane Gel*

***KEY ENGINEERING MATERIALS,******856:253-260 2020***

1. *Marković, Z, Kovacova, M;....& Spitalsky, Z*

*Antibacterial photodynamic activity of carbon quantum dots/polydimethylsiloxane nanocomposites against Staphylococcus aureus, Escherichia coli and Klebsiella pneumoniae*

***PHOTODIAGNOSIS AND PHOTODYNAMIC THERAPY, 2019, DOI: 10.1016/J.PDPDT.2019.04.019***

1. *Marković, Z;Kovacova, M; Micusik, M;...& Spitalsky, Z*

*Structural, mechanical, and antibacterial features of curcumin/polyurethane nanocomposites*

***JOURNAL OF APPLIED POLYMER SCIENCE, 136(13): 47283 2019, DOI: 10.1002/app.47283***

1. *Haldar, A; Sen, S; ....&Basak, P*

*Synthesis and characterization of biodegradable polyether urethane for controlled release of antibiotics*

***Chapter in book: BIOPOLYMERS AND BIOMATERIALS, 2019,* *ISBN: 9781315161983, CRC Press***

1. *Karami, Z; Kabiri, K, Mehr, MJZ*

*Non-isocyanate polyurethane thermoset based on a bio-resourced star-shaped epoxy macromonomer in comparison with a cyclocarbonate fossil-based epoxy resin: A preliminary study on thermo-mechanical and antibacterial properties*

***JOURNAL OF CO2 UTILIZATION 34: 558-567 2019***

1. *Harsha Ch, SNS; Krishnan, P*

*Fabrication and Fracture Toughness Properties of Cashew Nut Shell Liquid Resin- Based Glass Fabric Composites: Synthesis, Properties, and Advanced Applications*

***IN BOOK: POLYMERIC AND NANOSTRUCTURED MATERIALS, 2018,*** ***DOI: 10.1201/b22428-9***

1. *Padinjakkara, A; Thomas, S*

*Cellulose: The Potential Biopolymer: Synthesis, Properties, and Advanced Applications*

***IN BOOK: POLYMERIC AND NANOSTRUCTURED MATERIALS, 2018,*** ***DOI: 10.1201/b22428-13***

1. *Kovacova, M; Markovic, ZM; Humpolicek, P; Micusik, M; Švajdlenkova, H; Kleinova, A; ... & Lehocký, M*

*Carbon Quantum Dots Modified Polyurethane Nanocomposites as Effective Photocatalytic and Antibacterial Agents.*

***ACS BIOMATERIALS SCIENCE & ENGINEERING, 2018, DOI: 10.1021/acsbiomaterials.8b00582***

1. *Sunija, A; Sivailango, S*

*Synthetic approach for polyurethane from renewable material (cashew nut husk tannin).*

***Chapter in book: BIOPOLYMERS AND BIOMATERIALS, 2018,*** ***ISBN 9781315161983 - CAT# N11957***

1. *Arora, N; Ali, A; ...&Basak, P*

*Biodegradation study of polyurethane for therapeutic applications*

***Chapter in book: BIOPOLYMERS AND BIOMATERIALS, Apple Academic Press, 2018,******ISBN 9781771886154***

1. *Sawant, AV;. Takalkar, AR; Padmanabhan, K*

*Synthesis and characterization of CNSL matrix composites for composite applications*

***Chapter in book: BIOPOLYMERS AND BIOMATERIALS, Taylor& Francis, 2018,***

***https://doi.org/10.1201/9781315161983***

1. *Haldar, A; Sen, S;...&Basak,P*

*Synthesis and Characterization of Biodegradable Polyether Urethane for the Purpose of Controlled Release of Antibiotics,****In book: BIOPOLYMERS AND BIOMATERIALS, Taylor& Francis, 2018, ISBN9781315161983***

1. *Karami, Z; Zohuriaan-Mehr, MJ; Rostami, A*

*Bio-based thermo-healable non-isocyanate polyurethane DA network in comparison with its epoxy counterpart.*

***JOURNAL OF CO2 UTILIZATION, 18:294-302 2017***

1. *Benega, MAG*

*Estudo e desenvolvimento de fonte de fósforo-32 imobilizado em matriz polimérica para tratamento de câncer paravertebral e intracranial* ***Dissertation, Universidade de São Paulo,*** [***Instituto de Pesquisas Energéticas e Nucleares***](http://www.teses.usp.br/index.php?option=com_jumi&fileid=30&Itemid=162&id=85&lang=en)***, 2015***

***http://www.teses.usp.br/teses/disponiveis/85/85131/tde-01042015-141830/en.php***

1. *Rathika, K; David, SB*

*Study on Effect of Variation of NCO/OH Molar Ratio and PU/MMA Weight Ratio on Chemical and Mechanical Properties of IPNs Derived from Bio-Mass.* ***THE INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY 2(10), 153 2014***

1. *Pergal, MV, Džunuzović, JV; Poreba, R; Micić, D; Stefanov, P; Pezo, L; Špírková, M*

[*Surface and thermomechanical characterization of polyurethane networks based on poly(dimethylsiloxane) and hyperbranched polyester*](http://www.scopus.com/record/display.url?eid=2-s2.0-84881078287&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=8ADA3F42E09521D2C814E570754986ED.fM4vPBipdL1BpirDq5Cw%3a210&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,****EXPRESS POLYMER LETTERS, 7 (10): 806-820 2013***

1. [*Džunuzović, JV;*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=36760702600&zone=)[*Džunuzović, ES*](http://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=6506190033&zone=)

[*Rheological behavior of hyperbranched polymers*](http://www.scopus.com/record/display.uri?eid=2-s2.0-84951005261&origin=resultslist&sort=plf-f&cite=2-s2.0-64249169312&src=s&imp=t&sid=BCD4AF07A87AD435E8AF2548D29E074F.ZmAySxCHIBxxTXbnsoe5w%3a1490&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=0&searchTerm=)*,****Nova Science Publishers, Inc., Book Chapter, In*** [***Rheology: Theory, Properties and Practical Applications***](http://www.scopus.com/display/book.url?sourceId=21100431415&requestedPage=book) ***359-382 2013***

**33.** Djoković, V; Božanić, DK; **Vodnik**, **V;** Krsmanović, R; Dimitrijević-Branković, S; Trandafilović, L

*Structure and optical properties of noble-metal and oxide nanoparticles dispersed in various polysaccharide biopolymers*, **SPIE, PHYSICAL CHEMISTRY OF INTERFACES AND NANOMATERIALS X, Vol. 8098, art. no. 809816 p.1 - 8 (2011), DOI: 10.1117/12.899934**

1. *Elzayat AM; Cervera, IA;...&Espi, RM*

*Polysaccharide/Silica Microcapsules Prepared via Ionic Gelation Combined with Spray Drying: Application in the Release of Hydrophilic Substances and Catalysis,* ***POLYMERS 15(20):4116 2023***

1. *Nasrollahzadeh, M; Nezafat, Z; Shafiei, N; Soleimani, F*

*Biodegradability properties of biopolymers.* ***BIOPOLYMER-BASED METAL NANOPARTICLE CHEMISTRY FOR SUSTAINABLE APPLICATIONS: VOLUME 1: CLASSIFICATION, PROPERTIES AND SYNTHESIS, 1:231-251 2021***

1. *Elemike, EE; Onwudiwe, DC;...& Zhiweid, Z*

*Noble metal –semiconductor nanocomposites for optical, energy and electronics applications*

***SOLAR ENERGY MATERIALS AND SOLAR CELLS, 2019,*** ***https://doi.org/10.1016/j.solmat.2019.110106***

1. *Pestov, A; Nazirov, A; Privar, Y; Bratskaya, S*

*Role of Au(III) Coordination by Polymer in “Green” Synthesis of Gold Nanoparticles Using Chitosan Derivatives*

[***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES,***](https://www.researchgate.net/journal/1879-0003_International_journal_of_biological_macromolecules)  ***91: 457-464 2016***

1. *Salaheldin, H I; Almalki, MH; Hezma, A EM; Osman, GE*

*Facile synthesis of silver nanoparticles mediated by polyacrylamide-reduction approach to antibacterial application.*

***IET NANOBIOTECHNOLOGY, 11(4): 448-453 2016***

1. *Ibrahim, H., Osman, G., Hezma, A. E., & Maleki, M*

*Facile one-pot synthesis of silver nanoparticles mediated by polyacrylamide and its antibacterial activity.*

***IET NANOBIOTECHNOLOGY, pp 15, 2016, DOI:*** [***10.1049/iet-nbt.2016.0135***](http://dx.doi.org/10.1049/iet-nbt.2016.0135)

1. *Fakayode, OJ; Oladipo, AO; Oluwafemi, OS;Songca, SP*

*Biopolymer-mediated Green Synthesis of Noble Metal Nanostructures.* ***Chapter In Recent Advances in Biopolymers. InTech, Book edited by Farzana Khan Parveen, ISBN 978-953-51-2255-5, 2016, DOI: 10.5772/62127***

1. *Pestov, A; Nazirov, A; Modin, E; Mironenko, A; Bratskaya, S*

*Mechanism of Au (III) reduction by chitosan: Comprehensive study with 13C and 1H NMR**analysis of chitosan degradation products.* ***CARBOHYDRATE POLYMERS, 117: 70-77 2015***

1. *Zhmurova, AV*

*Physical properties of metallopolymer nanocomposites containing noble metal nanoparticles (оптические и магнитные свойства металлополимерных нанокомпозитов, содержащих наночастицы благородных металлов. вопросы естествознания)* ***ВОПРОСЫ ЕСТЕСТВОЗНАНИЯ | № 2 (3): 89-102 2014,*** [***http://irgups.ru/sites/default/files/docs/voprosy\_estestvoznaniya\_no232014.pdf#page=89***](http://irgups.ru/sites/default/files/docs/voprosy_estestvoznaniya_no232014.pdf#page=89)

**34.** **Vodnik, V**; Božanić, DK; Džunuzović, JV; Vukoje, I; Nedeljković, J

*Silver/polystyrene nanocomposites: Optical and thermal properties*

**POLYMER COMPOSITES, 33 (5): 782-788 2012**

1. *Park, G; Lee, H;...&Paeng, K*

*Polymer Segmental Dynamics Near the Interface of Silica Particles in the Particle/Polymer Composites*

***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 629:256-264 2023***

1. *Hamzah, M.Q., Agam, M.A., Tuama, A.N. and Jameel, M.H*

*Preparation and characterization of polystyrene nanosphere.*

***In AIP Conference Proceedings 2475(1), p. 090023-1, 8 pp, 2023***

1. *Salas-Papayanopolos, H; Morales-Cepeda, AB;... & Vazquez, HP*

*Crystallization effect of poly (L-lactic acid)/silver nanocomposites blends, on barrier and mechanical properties using glyceryl triacetate as plasticizer.* ***POLYMER BULLETIN, 80(5): 5273-5290 2023***

1. *Erol. I; Hazman, O;Savril, M*

*Improved physical, thermal, and biological properties of green synthesized ag-containing nanocomposites of a novel chitosan-based blend,* ***JOURNAL OF MOLECULAR LIQUIDS, 2023. DOI: 10.1016/j.molliq.2023.123506***

1. *Silva, A; Bezerra, AVA;...& Machado, RAFM*

*Nanocomposites production of polystyrene/silver obtained by embedding silver nanoparticles in situ with styrene polymerization*

***BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING, 2022, DOI: 10.1007/s43153-021-00207-1***

1. *Erol, I; Cigerci, IH;...& Aksu, M*

*Synthesis of moringa oleifera coated silver-containing nanocomposites of a new methacrylate polymer having pendant fluoroarylketone by hydrothermal technique and investigation of thermal, optical, dielectric and biological properties*

***JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION, 2022, DOI: 10.1080/09205063.2022.2046986***

1. *Choi, S; Zhao, Z;...&Wang, C*

*Structural color printing via polymer-assisted photochemical deposition,****SCIENCE & APPLICATIONS, 11:84 2022***

1. *Salas-Papayanopolos, H;Morales-Cepeda, AB;...$ Peraza-Vazquez H*

*Crystallization effect of poly(L-lactic acid)/silver nanocomposites blends, on barrier and mechanical properties using glyceryl triacetate as plasticizer,* ***POLYMER BULLETIN, 2022, DOI: 10.1007/s00289-022-04309-9***

1. *Uthaman, A., Lal, H. M., & Thomas, S.*

*Silver Nanoparticle on Various Synthetic Polymer Matrices: Preparative Techniques, Characterizations, and Applications.****In book:Polymer Nanocomposites Based on Silver Nanoparticles: Synthesis, Characterization and Applications, Springer Nature, 109, 2021, https://doi.org./10.1007/978-3-030-44259-0\_5***

1. *Sharma, A; Kumar, S*

*Synthesis and Green Synthesis of Silver Nanoparticles*

***In book: Polymer Nanocomposites Based on Silver Nanoparticles, Synthesis, Characterization and Applications, 2021, DOI: 10.1007/978-3-030-44259-0\_2***

1. *Ezat, G. S., Hussen, S. A., & Aziz, S. B*

*Structure and optical properties of nanocomposites based on polystyrene (PS) and calcium titanate (CaTiO3) perovskite nanoparticles.****OPTIK, 2021, https://doi.org/10.1016/j.ijleo.2021.166963***

1. *Bag, SS; Bora, A; Golder, AK*

*Turning wastes into value‐added materials: Polystyrene nanocomposites (PS‐AgNPs) from waste thermocol and green synthesized silver nanoparticles for water disinfection application.*

***POLYMER COMPOSITES, 2021, https://doi.org/10.1002/pc.26287***

1. *Bag, SS; Bora, A; Golder, AK*

*Turning wastes into value‐added materials: Polystyrene nanocomposites (PS‐AgNPs) from waste thermocol and green synthesized silver nanoparticles for water disinfection application.****POLYMER COMPOSITES, 2021, DOI: 10.1002/pc.26287***

1. *Krzywicka, A;Megiel, E*

*Silver-Polystyrene (Ag/PS) Nanocomposites Doped with Polyvinyl Alcohol (PVA)—Fabrication and Bactericidal Activity.****NANOMATERIALS, 10(11): 2245 2020***

1. *Thiyagu, C; Manjubala, I; Narendrakumar, U*

*Thermal and morphological study of graphene based polyurethane composites.*

***MATERIALS TODAY: PROCEEDINGS, 2020,*** ***https://doi.org/10.1016/j.matpr.2020.08.641***

1. *Gedam, SS; Chaudhary, AK; Vijayakumar, RP; Goswami, AK; Bajad, GS; Pal, D*

*Thermal, mechanical and morphological study of carbon nanotubes-graphene oxide and silver nanoparticles based polyurethane composites.* ***MATERIALS RESEARCH EXPRESS, 6(8): 085308 2019***

1. *Sánchez, GV; Rosales, IB; Vargas, OS*

*Escalamiento del proceso de síntesis de nanopartículas de ag vía reducción química*

***AVANCES Y CASOS EN INNOVACIÓN TECNOLÓGICA, 100-111 2019* *http://redibai-myd.org/portal/wp-content/uploads/2019/10/8617-31-9.pdf#page=105***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Krystosiak, P; Tomaszewski, W; Megiel, E*

*High-Density Polystyrene-Grafted Silver Nanoparticles and Their Use in the Preparation of Nanocomposites with Antibacterial Properties.* ***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 498: 9-21 2017***

1. *Salas-Papayanopolos, H; Morales-Cepeda, AB; Sanchez, S; Lafleur, PG; Gomez, I*

*Synergistic effect of silver nanoparticle content on the optical and thermo-mechanical properties of poly(l-lactic acid)/glycerol triacetate blends,* ***POLYMER BULLETIN, 2017, doi:10.1007/s00289-017-1992-4***

1. *Ramya, P; Priya, L*

*Structural, Morphological and Optical Properties of Polystyrene/Silver Nanowire Composites.*

***J. ENVIRON. NANOTECHNOL, 6(3): 60-63 2017***

1. *Salas-Papayanopolos, H*

*Influencia del tamaño y concentración de nanopartículas de plata sobre las propiedades térmicas, mecánicas y antimicrobianas de nanocompuestos extruidos a base de PLLA (Poliacido-L-Láctico).*

***Doctoral Tesis, Tehnologico nacional de Mexico,2016 http://200.188.131.162:8080/jspui/handle/123456789/235***

1. *Alsharaeh, EH*

*Polystyrene-Poly (methyl methacrylate) Silver Nanocomposites: Significant Modification of the Thermal and Electrical Properties by Microwave Irradiation.* ***MATERIALS, 9(6): 458 2016, doi:***[***10.3390/ma9060458***](http://dx.doi.org/10.3390/ma9060458)

1. *Siddiqui, MN; Redhwi, HH; Tsagkalias, I; Softas, C; Ioannidou, MD; Achilias, DS*

*Synthesis and characterization of poly (2-hydroxyethyl methacrylate)/silver hydrogel nanocomposites prepared via in situ radical polymerization.* ***THERMOCHIMICA ACTA, 643: 53-64 2016***

1. *Džunuzović, ES; Džunuzović, JV*

*Optical Properties of Nanocomposites.* ***Chapter in:Nanocomposite Material,s*** ***Synthesis, Properties and Applications,*** ***Taylor & Francis Group,******eBook ISBN: 978-1-4822-5818-9, p. 207–231, 2016***

1. *Blanco, I; Bottino, FA; Cicala, G; Cozzo, G; Latteri, A; Recca, A*

*Synthesis and thermal characterization of new dumbbell shaped POSS/PS nanocomposites: Influence of the symmetrical structure of the nanoparticles on the dispersion/aggregation in the polymer matrix*

***POLYMER COMPOSITES, 36 (8): 1394-1400 2015***

1. *Siddiqui, MN; Redhwi, HH; Vakalopoulou, E; Tsagkalias, I; Ioannidou, MD; Achilias, DS*

*Synthesis, characterization and reaction kinetics of PMMA/silver nanocomposites prepared via in situ radical polymerization. ,****EUROPEAN POLYMER JOURNAL, 72, (7076): 256-269 2015***

1. [*Chrissafis, K;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8277688300&zone=)[*Pavlidou, E;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55557627200&zone=)[*Gkogkou, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55644320600&zone=)[*Bikiaris, D*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55645108700&zone=)

*Effect of Cu-nanofibers and Ag-nanoparticles on syndiotactic polystyrene thermal stability and on its decomposition mechanism,****THERMOCHIMICA ACTA, 561: 26-35 2013***

1. [*Džunuzovic, ES;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6506190033&zone=)*…&*[*Nedeljkovicc, JM*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7003632042&zone=)

[*Characterization of in situ prepared nanocomposites of PS and TIO 2 nanoparticles surface modified with alkyl gallates: Effect of alkyl chain length*](http://www.scopus.com/record/display.url?eid=2-s2.0-84874108903&origin=resultslist&sort=plf-f&cite=2-s2.0-84859894690&src=s&imp=t&sid=84997BAA4A72C3CB861FF31E0A5D4832.CnvicAmOODVwpVrjSeqQ%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***POLYMER COMPOSITES,******34 (3):399-407 2013***

1. [*Roy, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55120107600&zone=)[*Bharali, P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55443210400&zone=)[*Konwar, BK;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=16836508900&zone=)[*Karak, N*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6701764136&zone=)

[*Silver-embedded modified hyperbranched epoxy/clay nanocomposites as antibacterial materials*](http://www.scopus.com/record/display.url?eid=2-s2.0-84868255329&origin=resultslist&sort=plf-f&cite=2-s2.0-84859894690&src=s&imp=t&sid=B585DCE76CF5FEFB711E225197F6BB6E.I0QkgbIjGqqLQ4Nw7dqZ4A%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***BIORESOURCE TECHNOLOGY, 127:175-180 2013***

1. [*Trung, NN;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55191582600&zone=)[*Luu, Q-P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55353149400&zone=)[*Son, BT;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54396195200&zone=)[*Sinh, LH;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37111294700&zone=)[*Bae, J-Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7201386887&zone=)

[*Enhanced fluorescence, morphological and thermal properties of CdSe/ZnS quantum dots incorporated in silicone resin*](http://www.scopus.com/record/display.url?eid=2-s2.0-84876221884&origin=resultslist&sort=plf-f&cite=2-s2.0-84859894690&src=s&imp=t&sid=10DA341BAD8B16A471954F9BEA8B782A.WeLimyRvBMk2ky9SFKc8Q%3a290&sot=cite&sdt=a&sl=0&relpos=2&relpos=2&searchTerm=)*,****JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 13 (1):434-442 2013***

1. [*Trung, NN;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55191582600&zone=)[*Luu, Q-P;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55353149400&zone=)[*Son, BT;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=54396195200&zone=)[*Sinh, LH;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=37111294700&zone=)[*Bae, J-Y*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7201386887&zone=)

[*Preparation and characterization of silicone resin nanocomposite containing CdSe/ZnS quantum dots*](http://www.scopus.com/record/display.url?eid=2-s2.0-84866730263&origin=resultslist&sort=plf-f&cite=2-s2.0-84859894690&src=s&imp=t&sid=pLMMGRUL6Y2Gpql1tO3_UXl%3a200&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***POLYMER COMPOSITES,******33 (10):1785-1791 2012***

**35.** **Vodnik, V**; Božanić, DK; Džunuzović, JV; Vukoje, I; Nedeljković, J

*The effect of silver nanofillers on the properties of polystyrene* **SOCIETY OF PLASTICS ENGINEERS, Plastics Research Online, 2012, DOI: 10.1002/spepro.004264, http://www.4spepro.org/.**

1. *Chandrakala, HN; Shivakumaraiah, H; Somashekar, R*

*Poly (Vinyl Alcohol)/Zincoxide-Ceriumoxide Nanocomposites: Electrical, Optical, Structural and Morphological Characteristics,* ***INDIAN JOURNAL OF ADVANCES IN CHEMICAL SCIENCE, 2: 103-106 2014***

**36.** Petrovic, V; **Vodnik, V**; Stanojevic, I; Rakocevic, Z; Vasic, V

*Interaction of gold nanoparticles with rat brain synaptosomal plasma membrane Na +/K +- ATPase and Mg2 2+-ATPase,* **DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, 7 (2): 423-433 2012**

1. *Chen, A; Kang, Y;... & Shao, L*

*Improvement of synaptic plasticity by nanoparticles and the related mechanisms: Applications and prospects.*

***JOURNAL OF CONTROLLED RELEASE, 347: 143-163 2022***

1. *Bondžić, AM; Anićijević, DDV;...& Vasić, VM*

*Na, K-ATPase as a Biological Target for Gold (III) Complexes: A Theoretical and Experimental Approach.*

***CURRENT MEDICINAL CHEMISTRY , 2021, DOI: https://doi.org/10.2174/0929867328999210101233801***

1. *Canli, EG; Ila, HB; Canli, M*

*Responses of biomarkers belonging to different metabolic systems of rats following oral administration of aluminium nanoparticle.****ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, 69: 72-79 2019***

1. *Yin, S; Liu, J, Kang, Y;....& Shao, L*

*Interactions of Nanomaterials with Ion Channels and Related Mechanisms*

***BRITISH JOURNAL OF PHARMACOLOGY, 176(19), 2019, DOI: 10.1111/bph.14792***

1. *Canli, EG; Canli, M*

*Effects of aluminum, copper, and titanium nanoparticles on some blood parameters in Wistar rats*

***TURKISH JOURNAL OF ZOOLOGY, 41, 2017,*** ***doi:10.3906/zoo-1512-23***

1. *Momić, TG; Čolović, MB; Lazarević-Pašti, TD; Vasić, VM*

*Metal Based Compounds, Modulators of Na, K-ATPase with Anticancer Activity.*

***CHAPTER In Regulation of Membrane Na+-K+ ATPase, 15: 389-425 2016***

1. *Petrović, V; Čolović,M; Krstić, D; Vujačić, A; Petrović, S; Joksić, G; Bugarčić, Ž; Vasić, V*

*In vitro effects of some gold complexes on Na+/K+ ATPase activity and cell proliferation*

***JOURNAL OF INORGANIC BIOCHEMISTRY, 124: 35-41 2013***

1. [*Ciobanu, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=13006283500&zone=)[*Turcus, V;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24479167000&zone=)[*Savastru, D;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8606185100&zone=)[*Ardelean, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=25226499700&zone=)[*Cotoraci, C;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26532463500&zone=) *;*[*Carstea, EM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=27267442400&zone=)[*Ghervase, L*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35755694500&zone=)

[*Two approaches Characterizing the chaotic behavior of Neurons*](http://www.scopus.com/record/display.url?eid=2-s2.0-84867503810&origin=resultslist&sort=plf-f&cite=2-s2.0-84859085784&src=s&imp=t&sid=cnP2dPWEFRn29I5kecg5XXz%3a160&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES,******7 (4):1519-1525 2012***

**37.** **Vodnik, VV**; Abazović, ND; Stojanović, Z; Marinović - Cincović, M; Mitrić, M; Čomor, MI

*Optical, structural and thermal characterization of gold nanoparticles - poly(vinylalcohol) composite films*

**JOURNAL OF COMPOSITE MATERIALS, 46(8) : 987–995 2012**

1. *Schutz, P; Weerathaworn, S;...& Abetz, V*

*Nanocomposites from Au-Doped Vinylogous Urethane Vitrimers Based on Different Block Copolymers and Their Recyclability in Combination with Plasmonic Heating,* ***Macromolecular Rapid Communications, 2025, DOI: 10.1002/marc.202401027***

1. *Yi, J; Xu, Z...&Zhou, G*

*Novel “Rigid to Flexible” Biobased Polyesters Fully Derived from 5-Hydroxymethylfurfural: Promising as Sustainable UV Shielding and Gas Barrier Materials*

***ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 2022, DOI: 10.1021/acssuschemeng.1c07038***

1. *Ghazy, OA., Saleh, HH;...&Ali, ZI*

*Electron beam radiation induced solid-state synthesis of gold nanoparticles in polyvinyl alcohol films and their Physico-chemical properties****. RADIATION PHYSICS AND CHEMISTRY, 191:109848 2022***

1. *Abdelghany, AM; Omar, M, Oraby, AH*

*Structural, optical, and electrical reinforcement of gamma-irradiated PEO/SA/Au NPs nanocomposite*

***JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, 2021, DOI: 10.1007/s10854-021-05371-1***

1. *González-Monje, P; García, AA; Ruiz-Molina, D; Roscini, C*

*Encapsulation and sedimentation of nanomaterials through complex coacervation.*

***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 589: 500-510 2021***

1. *Ghazy, OA; Saleh, HH; Shehata, MM*

*Electron beam radiation induced solid-state synthesis of gold nanoparticles in polyvinyl alcohol films and their Physico-chemical properties,* ***Radiation Physics and Chemistry, 2021, DOI: 10.1016/j.radphyschem.2021.109848***

1. *Zahid, M; Ali, S;....˛& Khan, M*

*Carbon nanoparticles/polyvinyl alcohol composites with enhanced optical, thermal, mechanical, and flame-retardant properties,* ***JOURNAL OF APPLIED POLYMER SCIENCE, 2020, DOI: 10.1002/app.49261***

1. *Fahim,E; Bakhit, M;...&Ali, ZI*

*Exploring polyvinyl alcohol – nickel sulphate composite film for absorbed dose monitoring*

***RADIOCHIMICA ACTA, 108(3): 231-238 2020***

1. *Abdelghany, AM; Morsi, MA; Abdelrazek, A; Ahmed, MT*

*Role of Silica Nanoparticles on Structural, Optical and Morphological Properties of Poly (Vinyl Chloride-co-Vinyl Acetate-co-2-Hydroxypropyl Acrylate) Copolymer,* ***SILICON, 10(2), 519-524 2018***

1. *Norouzi, P; Rezapour, M*

*One-step Cathodic Electrochemical Synthesis and Characterization Superparamagnetic Gadolinium Doped Magnetite/Polyvinyl Alcohol Core–Shell Composite Nanoparticles.*

***ANALYTICAL & BIOANALYTICAL ELECTROCHEMISTRY, 10(9): 1181-1192 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices* ***Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Yang, T; Li, Q; Wen, W; Hu, L; He, W; Liu, H*

*Cadmium sulfide quantum dots/poly (acrylic acid-co-acrylic amide) composite hydrogel synthesized by gamma irradiation.****RADIATION PHYSICS AND CHEMISTRY, 145: 130-134 2018***

1. *Karimzadeh, I; Cheraghali, R*

*One-step Cathodic Electrochemical Synthesis and Characterization Superparamagnetic Gadolinium Doped Magnetite/Polyvinyl Alcohol Core–Shell Composite Nanoparticles.* ***ANAL. BIOANAL. ELECTROCHEM., 10( 9): 1181-1192 2018***

1. *Kuljanin-Jakovljević, JŽ; Radosavljević, AN;..& Kačarević-Popović, ZM*

*Gamma irradiation induced in situ synthesis of lead sulfide nanoparticles in poly (vinyl alcohol) hydrogel.* ***RADIATION PHYSICS AND CHEMISTRY, 130 : 282-290 2017***

1. *Abdelrazek, EM; Abdelghany, A M;, Badr, SI; Morsi, MA*

*Morphological, Thermal and Electrical Properties of (PEO/PVP)/Au Nanocomposite Before and After Gamma-Irradiation. ,****JOURNAL OF RESEARCH UPDATES IN POLYMER SCIENCE, 6(2):45-54 2017***

1. *Morsi, MA; Abdelghany, AM*

[*UV-irradiation assisted control of the structural, optical and thermal properties of PEO/PVP blended gold nanoparticles*](https://www.researchgate.net/publication/319147764_UV-irradiation_assisted_control_of_the_structural_optical_and_thermal_properties_of_PEOPVP_blended_gold_nanoparticles)*,****MATERIALS CHEMISTRY AND PHYSICS, 2017, DOI: 10.1016/j.matchemphys.2017.08.022***

1. *Abdelghany, AM; Abdelrazek, EM; Badr, SI; Morsi, MA*

*Effect of gamma-irradiation on (PEO/PVP)/Au nanocomposite: Materials for electrochemical and optical applications.*

***MATERIALS & DESIGN, 97: 532-543 2016***

1. *Nayir, N; Tasci, ES; Erkoç, Ş*

*Structural and Thermal Properties of Indium Phosphide Nanoparticles: Molecular Dynamics Simulations.* ***JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, 12(9), 2134-2139 2015***

1. *Petrović, S; Milovanović, D; Salatić, B; Peruško, D; Kovač, J; Dražić, G;* [*M. Mitrić*](http://www.sciencedirect.com/science/article/pii/S0254058415303710)*;* [*M. Trtica*](http://www.sciencedirect.com/science/article/pii/S0254058415303710)*; Jelenković, B*

*Composition and structure of NiAu nanoparticles formed by laser ablation of Ni target in Au colloidal solution.*

***MATERIALS CHEMISTRY AND PHYSICS, 166: 223-232 2015***

1. *Radosavljević A; Krstić J; Spasojević J; Kačarević-Popović Z*

*Radiolytic synthesis of nanocomposites based on noble metal nanoparticles and natural polymer, and their application as biomaterial,* ***Radiation Curing of Composites for Enhancing Their Features and Utility in Health Care and Industry'', Chapter 11, IAEA-TECDOC-1764, ISBN 978–92–0–103815–9, pp. 167-184, 2015.***

***http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.739.857&rep=rep1&type=pdf#page=225***

1. *Krstić, J; Spasojević, J;* [*Radosavljević, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55900978800&zone=)[*Šiljegovć, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55901256000&zone=)[*Kačarević-Popović, Z*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55900957900&zone=)

[*Optical and structural properties of radiolytically in situ synthesized silver nanoparticles stabilized by chitosan/poly(vinyl alcohol) blends*](http://www.scopus.com/record/display.url?eid=2-s2.0-84886436453&origin=resultslist&sort=plf-f&cite=2-s2.0-84859323556&src=s&imp=t&sid=B48AEE10CDFE2C54E2FDBDD8E991A562.iqs8TDG0Wy6BURhzD3nFA%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,* [***RADIATION PHYSICS AND CHEMISTRY***](http://www.scopus.com/source/sourceInfo.url?sourceId=29513&origin=resultslist)  ***96:158-166 2014***

1. [*Revathy, KP;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36630691700&zone=)*…&*[*Myint, MTZ*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=26531572900&zone=)

[*Pattern formation of gold-PVA nanomix spin coated on different substrates*](http://www.scopus.com/record/display.url?eid=2-s2.0-84870494843&origin=resultslist&sort=plf-f&cite=2-s2.0-84859323556&src=s&imp=t&sid=7DC32BB192E3C8F9F3B8042BE4233B71.f594dyPDCy4K3aQHRor6A%3a140&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 417:73-82 2013***

**38.** Džunuzović, JV; Pergal, MV; Poręba, R; **Vodnik**, VV; Simonović, BR; Špírková, M; Jovanović, S

*Analysis of dynamic mechanical, thermal and surface properties of poly(urethane-ester-siloxane) networks based on hyperbranched polyester*, **JOURNAL OF NON-CRYSTALLINE SOLIDS*,*  358(23) : 3161-3169 2012**

1. *Pešić, I; Durand, JO;...& Pergal, MV*

*Synthesis and properties of in situ prepared polyurethane/PEG-MXene nanocomposites*

***PROGRESS IN ORGANIC COATINGS 203(11):109158 2025***

1. *Wei, J.; Ma, Y;... & Fan, H*

*Enhanced mechanical strength and water resistance in waterborne polyurethanes through hydroxyl-functionalized MQ silicone resin modification****. PROGRESS IN ORGANIC COATINGS, 194: 108555 2024***

1. *Yao, L.; Han, W;... & Zhi, C*

*Analyses of micro-structure and mechanical behavior of polyester pre-oriented filament with dark color by adjusting linear density.* ***TEXTILE RESEARCH JOURNAL, 2024, https://doi.org/10.1177/0040517524129283***

1. *Zeng, X; Miao, J;... & Tai, Y*

*Design and fabrication of shape memory polyurethane network with rapid recoverable plastic deformation.*

***MATERIALS TODAY COMMUNICATIONS, 35: 105777 2023***

1. *Pergal, MV; Dojčinović, BP;...Antić, B*

*Synthesis, physicochemical, and antimicrobial characteristics of novel poly(urethane-siloxane) network/silver ferrite nanocomposites,* ***JOURNAL OF MATERIALS SCIENCE, 2022, DOI: 10.1007/s10853-022-07178-9***

1. *Jaganathan, SK; Mani, MP*

*Development and blood compatibility evaluation of novel fibrous textile scaffold based on polyurethane amalgamated with Alternanthera sessilis oil for the bone tissue engineering.* ***JOURNAL OF INDUSTRIAL TEXTILES, 51(10), 1658-1673 2022***

1. *Kovačević, T; Brzić, SJ; ...&Rusmirović, JD*

*Reuse potential of functionalized thermoplastic waste as reinforcement for thermoset polymers: Mechanical properties and erosion resistance,* ***JOURNAL OF COMPOSITE MATERIALS, 2021, DOI: 10.1177/00219983211037045***

1. *Kim, MG; Jo, KI;...& Lee, JH*

*Preparation of Polydimethylsiloxane-Modified Waterborne Polyurethane Coatings for Marine Applications*

***POLYMERS 13(24):4283 2021***

1. *Jaganathan, SK; Mani, MP*

*Development and blood compatibility evaluation of novel fibrous textile scaffold based on polyurethane amalgamated with Alternanthera sessilis oil for the bone tissue engineerin*

***JOURNAL OF INDUSTRIAL TEXTILES, 2020, DOI: 10.1177/1528083720906809***

1. *Zhang,Q; Liu, W; Sun,F*

*Synthesis and properties of waterborne UV‐curable polydimethylsiloxane‐based polyurethane oligomers: UV‐cured film with excellent water resistance and thermostability*

***JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2020, https://doi.org/10.1080/01694243.2020.1757191***

1. *Zhang, Q; Liu, W; Sun, F*

*Synthesis and properties of waterborne UV‐curable polydimethylsiloxane‐based polyurethane oligomers: UV‐cured film with excellent water resistance and thermostability*

***JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 2020, DOI: 10.1080/01694243.2020.1757191***

1. *Stefanović, IS; Džunuzović, JV;… & Dobrzyńska-Mizera, M*

*Composition-property relationship of polyurethane networks based on polycaprolactone diol.*

***POLYMER BULLETIN, 2020, https://doi.org/10.1007/s00289-020-03473-0***

1. *Drah, AM*

*Funkcionalizacija čestica aluminijum-oksida za kompozite na bazi nezasićenih poliestarskih smola dobijenih iz reciklovanog poli (etilentereftalata),* ***Doctoral dissertation,* *TMF, Beograd, 2020,*** ***https://uvidok.rcub.bg.ac.rs/handle/123456789/3878***

1. [*Kovacevic*](https://www.researchgate.net/profile/Tihomir_Kovacevic?_sg=0I4AQFhPEW9oSaSQsVb_nwWznRLxzCRo3Z_7GvfjuCTLe_TdI5OvmzqHHaWI5hfRvj0xjSE.Cxvop0-1h3T_8bXyK-4HdjVvGiRzXscqF0XpND5jorTInDielf9CH0B2GQg-0Hm6WtB_xOjDgOTOiUyu8zLMmw)*, T; Rusmirovic, JD; Tomić, N;...& Marinković, A*

*Effects of oxidized/treated non-metallic fillers obtained from waste printed circuit boards on mechanical properties and shrinkage of unsaturated polyester-based composites,****POLYMER COMPOSITES, 40(3): 1170-1186 2019***

1. *Drah, A; Kovačević, T; Rusmirović, J; Tomić, N; Brzić, S; Bogosavljavić, M; Marinković, A*

*Effect of surface activation of alumina particles on the performances of thermosetting-based composite materials.*

***JOURNAL OF COMPOSITE MATERIALS, 2019, https://doi.org/10.1177/0021998319839133***

1. *Džunuzović, JV; Stefanović, IS;....˛Lama, GC*

*Polyurethane networks based on polycaprolactone and hyperbranchedpolyester: Structural, thermal and mechanical investigation,* ***PROGRESS IN ORGANIC COATINGS 137: 105305 2019***

1. *Policello, GA; Mukherjee, N; Wagner, R; Leatherman, MD*

*Ester-modified organosilicon-based surfactants, methods of making same and applications containing the same*

***U.S. Patent No. 9,988,404. Washington, 2019, DC: U.S. Patent and Trademark Office.* *https://patents.google.com/patent/US9988404B2/en***

1. *Pergal, MV; Balaban, M;...&Peković, BB*

*Poly(Dimethylsiloxane) Modified Polymers: Synthesis, Structure and Physical Properties*

***In book: Advances in Chemistry Research. Volume 43Chapter: 1Publisher: Nova Science, 2018***

1. *Holanda, CA*

*Potencial antibiofilme de hidroxiuretanos incorporados com nanopartículas de prata/óxido de zinco para tratamento ortodôntico* ***Doctoral dissertation, Universidade de São Paulo, 2018, DOI:*** ***10.11606/T.75.2018.tde-22102018-162456, http://www.teses.usp.br/teses/disponiveis/75/75134/tde-22102018-162456/en.php***

1. *Yan-ting, H; Zheng, C; Wei, D; Fan, Z; Zhong-yin, X*

*Comparative study of in situ polymerized waterborne polyurethane/nano-silica composites and polyethersiloxanediol-modified polyurethane,****JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, 30(1): 107-120 2017***

1. *Yi, T; Ma, G; Hou, C; Li, S; Zhang, R; Wu, J; Hao, X*

*Preparation and properties of poly (siloxane‐ether‐urethane)‐acrylic hybrid emulsions.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2017,* *DOI: 10.1002/app.44927***

1. *Andriani, Y; Min-Wen, JC; Yan-Jiang, BC; Yee, PI; Shyh-Chang, N; Siew, TW*

*Polyurethane Acrylates as Effective Substrates for Sustained In Vitro Culture of Human Myotubes.*

***ACTA BIOMATERIALIA, 2017, http://doi.org/10.1016/j.actbio.2017.04.022***

1. *Tian, F; Zhang, S; Zhai, M; Sui, J; Lan, X; Gao, J*

[*Thermal properties of nano-sized polyethylene glycol confined in silica gels for latent heat storage*](http://scholar.google.com/scholar_url?url=http://www.sciencedirect.com/science/article/pii/S0040603117301211&hl=sr&sa=X&scisig=AAGBfm2D9a4rnqFJ04kTeEP5dvByfT9l_Q&nossl=1&oi=scholaralrt)

***THERMOCHIMICA ACTA, 2017,*** [***https://doi.org/10.1016/j.tca.2017.05.006***](https://doi.org/10.1016/j.tca.2017.05.006)

1. *Policello, GA; Mukherjee, N; Wagner, R; Leatherman, MD*

*Ester-modified organosilicon-based surfactants, methods of making same and applications containing*

*the sameGA,****U.S. Patent Application No. 15/092,751, 2017***

1. *Emamikia, M; Barikani, M; Bakhshandeh, G*

*Relationship between structure and aromatic solvent permeability of the crosslinked polyurethanes based on hyperbranched polyesters,* ***POLYMER INTERNATIONAL, 64 (9): 1142-1154 2015***

1. *Byczyński, Ł; Dutkiewicz, M; Maciejewski, H*

*Thermal degradation studies of poly (urethane-siloxane) thermosets based on co-poly (dimethyl)(methyl, hydroxypolyoxyethylenepropyl) siloxane,* ***THERMOCHIMICA ACTA, 589: 252-261 2014***

1. *Byczyński, Ł*

*Thermal degradation studies of poly (urethane-siloxane) thermosets based on co-poly (dimethyl)(methyl, 3-glycidoxypropyl) siloxane and epoxy-terminated urethane oligomer.,* ***THERMOCHIMICA ACTA, 592: 58-66 2014***

1. *Pergal, MV, Džunuzović, JV; Poreba, R; Micić, D; Stefanov, P; Pezo, L; Špírková, M*

[*Surface and thermomechanical characterization of polyurethane networks based on poly(dimethylsiloxane) and hyperbranched polyester*](http://www.scopus.com/record/display.url?eid=2-s2.0-84881078287&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=8ADA3F42E09521D2C814E570754986ED.fM4vPBipdL1BpirDq5Cw%3a210&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,* ***EXPRESS POLYMER LETTERS, 7 (10): 806-820 2013***

1. *Pergal MV; Džunuzović JV; Špírková M; Poręba R; Steinhart M; Pergal MM; Ostojić S*

*Study on the morphology and thermomechanical properties of poly(urethane-siloxane) networks based on hyperbranched polyester,* ***HEMIJSKA INDUSTRIJA, 67(6):871-879 2013***

1. [*Wang, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55265876300&zone=)[*Soucek, MD*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=7006387402&zone=)

[*Investigation of non-isocyanate urethane dimethacrylate reactive diluents for UV-curable polyurethane coatings*](http://www.scopus.com/record/display.url?eid=2-s2.0-84876994295&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=41754B9CC1FD241F102D981DE527D3E2.FZg2ODcJC9ArCe8WOZPvA%3a200&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***PROGRESS IN ORGANIC COATINGS, 76 (7-8):1057-1067 2013***

1. [*Byczyński, Ł;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=18534303200&zone=)[*Dutkiewicz, M;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=14622616800&zone=)[*Maciejewski, H*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6604002051&zone=)

[*Thermal degradation kinetics of semi-interpenetrating polymer network based on polyurethane and siloxane*](http://www.scopus.com/record/display.url?eid=2-s2.0-84875940539&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=10DA341BAD8B16A471954F9BEA8B782A.WeLimyRvBMk2ky9SFKc8Q%3a200&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)

***THERMOCHIMICA ACTA, 560:55-62 2013***

1. [*Chien-Feng Li*](javascript:queryList('Chien-Feng%20Li');)

*Synthesis and Rheological Properties of Organic-Inorganic Hybrid Branched Polymer*

***Doctoral dissertation, National Taipei University of Technology, Taiwan, 2013 http://www.airitilibrary.com/Publication/alDetailedMesh?docid=U0006-3007201317201100***

1. [*Pergal, MV;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=35722913100&zone=)[*Džunuzović, JV;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36760702600&zone=)[*Porȩba, R;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36706580200&zone=)[*Ostojić, S;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8234282200&zone=)[*Radulović, A;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=23467616500&zone=)[*Špírková, M*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603701071&zone=)

[*Microstructure and properties of poly(urethane-siloxane)s based on hyperbranched polyester of the fourth pseudo generation*](http://www.scopus.com/record/display.url?eid=2-s2.0-84874107725&origin=resultslist&sort=plf-f&cite=2-s2.0-84869006773&src=s&imp=t&sid=84997BAA4A72C3CB861FF31E0A5D4832.CnvicAmOODVwpVrjSeqQ%3a90&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&searchTerm=)*,* ***PROGRESS IN ORGANIC COATINGS, 76 (4):743-756 2013***

**39.** Vukoje, I; Božanić, D; Džunuzović, J; Bogdanović, U; **Vodnik, V**

*Surface plasmon resonance of Ag organosols: Experimental and theoretical investigations / [Rezonance površinskih plazmona organosola srebra: Eksperimentalna i teorijska ispitivanja]*

**HEMIJSKA INDUSTRIJA, 66 (6): 805-812 2012**

1. *Pudlauskaite, J; Jankauskaite, V; Lazauskas, A; Prosyčevas, I; Narmontas, P*

*Ag/DNQ-novolac-based nanocomposite films for controllable UV lithography morphological patterning*

***COLLOID AND POLYMER SCIENCE, 291 (8):1787-1793 2013***

**40.** Lazić,V; Šaponjić,Z; **Vodnik,V**; Dimitrijević, S; Jovančić,P; Nedeljković,J, Radetić, M

*The study of antibacterial activity and stability of dyed cotton fabrics modified with different forms of silver*

**JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, 77(2): 225-234 2012**

1. *Khan, GMA; Islam, MA;...& Aidid, AR*

*Sericin-TiO2 nanocomposite treated cotton fabrics for enhanced antibacterial and self-cleaning properties*

***HYBRID ADVANCES, 2024, DOI: 10.1016/j.hybadv.2024.100287***

1. *Mihajlovski, K; Stajcic, Ž; Lazić, V*

*Antimicrobial activity of different wound dressing products treated with silver*

***HEMIJSKA INDUSTRIJA, 2023, DOI: 10.2298/HEMIND230113021M***

1. *Sredojević, D; Lazić, V;...& Nedeljković, JM*

*Toxicity of Silver Nanoparticles Supported by Surface-Modified Zirconium Dioxide with Dihydroquercetin*

***NANOMATERIALS 2022, 12(18): 3195 2022***

1. *Akbaba, TN; Ertas, N; Alp, O*

*Characterization of the Silver Species Released From Clothing by Single Particle–Inductively Coupled Plasma–Mass Spectrometry Using a Microsecond Dwell Time,* ***ANALYTICAL LETTERS,2022, doi:10.1080/00032719.2021.1950166***

1. *Juknius, T*

*Applications of diamond like carbon and silver nanocomposites for preparation of external use pharmaceuticals*

***Doctoral dissertation, Kauno technologijos universitetas, 2022, https://epubl.ktu.edu/object/elaba:119817582***

1. *Ferreira, AFM*

*Funcionalização com acabamentos antibacterianos de materiais com elevada elasticidade*

***Doctoral dissertation, 2022, https://hdl.handle.net/1822/83752***

1. *Mahmoud, MG; Asker, MS; Mohamed, SS*

*Facile green silver nanoparticles synthesis to promote the antibacterial activity of cellulosic fabric.*

***JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 2021,*** ***https://doi.org/10.1016/j.jiec.2021.04.030***

1. *Abdelghaffar Afify, F; Mahmoud, MG; Asker, M; Mohamed, SS*

*Facile green silver nanoparticles synthesis to promote the antibacterial activity of cellulosic fabric*

***JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 2021, DOI: 10.1016/j.jiec.2021.04.030***

1. *Hooda, S; Arya, N;...Singh, V*

*Antimicrobial Treatment on Cellulosic Fibre using Agro Waste (Lemon Peel)*

***AMA, AGRICULTURAL MECHANIZATION IN ASIA, AFRICA & LATIN AMERICA 52(1):3175-3192 2021***

1. *Naeem, M; Felipe, MBMC;, ... & Feitor, MC*

*Novel antibacterial silver coating on PET fabric assisted with hollow‐cathode glow discharge.*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 2020, DOI: 10.1002/pat.5017***

1. *Nadi, A; Boukhriss, A;....& Gmouh, S*

*Evolution in the surface modification of textiles: a review****TEXTILE PROGRESS, 50(2): 67-108 2019***

1. *Wu, Y; Yang, Y; Zhang, Z; Wang, Z; Zhao, Y; Sun, L*

*Fabrication of cotton fabrics with durable antibacterial activities finishing by Ag nanoparticles.*

***TEXTILE RESEARCH JOURNAL, 2019, http://journals.sagepub.com/doi/abs/10.1177/0040517518758002***

1. *Davidović,S; Lazić,V;....& Nedeljković, JM*

[*Antibacterial ability of immobilized silver nanoparticles in agar-agar films co-doped with magnesium ions*](https://www.x-mol.com/paperRedirect/5807613)

***CARBOHYDRATE POLYMERS, 2019, DOI: 10.1016/j.carbpol.2019.115187***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Milošević, MV*

*Nanokompoziti sa antimikrobnim svojstvima sintetisani fotoredukcijom jona srebra na površini nanokristala titan (IV)-oksida različitih oblika deponovanih na tekstilnim materijalima*

***Doctoral dissertation, Универзитет у Београду, Технолошко-металуршки факултет, 2019***

1. *Ahmed, HB; Emam, HE; Mashaly, HM; Rehan, M*

*Nanosilver leverage on reactive dyeing of cellulose fibers: Color shading, color fastness and biocidal potentials*

***CARBOHYDRATE POLYMERS, 186:310-320 2018***

1. *Motaghi, Z*

*An Economical Dyeing Process for Cotton and Wool Fabrics and Improvement their Antibacterial Properties and UV protection.****JOURNAL OF NATURAL FIBERS, 2018,* *https://doi.org/10.1080/15440478.2017.1364204***

1. *Irfan, M; Perero, S; Miola, M; Maina, G; Ferri, A; Ferraris, M;Balagna, C.*

*Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique.* ***CELLULOSE, 2017, DOI: 10.1007/s10570-017-1232-y***

1. *Pukale, DD; Bansode, AS; Pinjari, DV; Sayed, U; Kulkarni, RR*

*Development of**Nanoemulsion of Silicone Oil and Pine Oil Using Binary Surfactant System for Textile Finishing*

***JOURNAL OF SURFACTANTS AND DETERGENTS, 20(5):1-13 2017***

1. *Mohan, A; Suriyaprabha, R;Prabhu, M;Prabu,P; Rajendran,V*

[*Nanosilver Enabled Reactive Dyes for Antimicrobial Medical Textiles*](https://www.researchgate.net/publication/321096774_Nanosilver_Enabled_Reactive_Dyes_for_Antimicrobial_Medical_Textiles)

***NANOMEDICINE &NANOTECHNOLOGY, 2(S1): 000S1-003 2017***

1. *Balakumaran, MD; Ramachandran, R; Jagadeeswari, S; Kalaichelvan, PT*

*In vitro biological properties and characterization of nanosilver coated cotton fabrics–An application for antimicrobial textile finishing.* ***INTERNATIONAL BIODETERIORATION & BIODEGRADATION, 107: 48-55 2016***

1. *Juknius, T;Ružauskas, M;Tamulevicius, T; Šiugždinien, R;Juknien, I;Vasiliauskas, A;Jurkevici, A;Tamulevičius, S*

*Antimicrobial Properties of Diamond-Like Carbon/Silver Nanocomposite Thin Films Deposited on Textiles: Towards Smart Bandages,* ***MATERIALS, 9(5):371, p.15, 2016 DOI:10.3390/ma9050371***

1. *Seiphetlheng, K*

*Anolyte as an alternative bleach for cotton fabrics* ***Doctoral dissertation******University of the Free State, Bloemfontein, South Africa, 2015, http://hdl.handle.net/11660****/714*

1. *Flajs, N*

*Vpliv barvanja z reaktivnimi barvili na adsorpcijo kompozitnih nanodelcev Ag/TiO2: diplomsko delo*

***Doctoral dissertation, Univerza v Ljubljani, Naravoslovnotehniška fakulteta, 2015, https://repozitorij.uni-lj.si/Dokument.php?lang=slv&id=72024&dn***

1. *Stefaniak, AB; Duling, M G; Lawrence, RB; Thomas, TA; LeBouf, RF; Wade, E E; Abbas Virji, M*

*Dermal exposure potential from textiles that contain silver nanoparticles*

***INTERANIONAL JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH, 20(3): 220-234 2014***

1. *Stefaniak, AB*

*Dissolution of Materials in Contact with Skin Film Liquids*

***HANDBOOK OF COSMETIC SCIENCE AND TECHNOLOGY,*** [***CRC Press***](http://books.google.rs/url?client=ca-google-print&format=googleprint&num=0&channel=BTB-ca-google-print+BTB-ISBN:1842145649&q=http://www.crcpress.com/product/isbn/9781842145647&usg=AFQjCNF_KFL_JzlG9Ll4WPSaui3TMj2N1A&source=gbs_buy_r)***, Taylor & Francis Group, ISBN: 13:978-1-84214-564-7, 16: 189 2014***

1. *Nateghi, MR; Hajimirzababa, H*

*Effect of silver nanoparticles morphologies on antimicrobial properties of cotton fabrics*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 105 (8): 806-813 2014***

**41.** Džunuzović, JV; Pergal, MV; **Vodnik**, VV; Špírková, M; Poręba, R; Jovanović, S

*Investigation of the morphology and surface properties of crosslinked poly(urethane-ester-siloxane)s*,

**HEMIJSKA INDUSTRIJA, 66(6): 813-821 2012**

1. *Li, M; Ding, H;….&Shouhai, L*

*Preparation and Properties of Self-Healing Polyurethane Elastomer Derived from Tung-Oil-Based Polyphenol*

***ACS OMEGA 2019,*** ***https://doi.org/10.1021/acsomega.9b03082***

**42.** Vujacic A; Vasic V; Dramicanin M; Sovilj SP; Bibic N; Milonjic S; **Vodnik V**

*Fluorescence quenching of 5,5′-disulfopropyl-3,3′- dichlorothiacyanine dye adsorbed on gold nanoparticles***JOURNAL OF PHYSICAL CHEMISTRY C, 117 (13): 6567-6577 2013**

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2024***

1. *Kesarwani, S; Juergensen, S;… & Lange, H*

*Incorporation strategy for organic dyes into gold nanoparticle supercrystals.*

***THE JOURNAL OF CHEMICAL PHYSICS, 161(4):* *044702 2024***

1. *Rajamanikandan, R; Ilancheilian, M;Ju, H*

*β-cyclodextrin functionalized gold nanoparticles as an effective nanocatalyst for reducing toxic nitroaromatics*

***OPTICAL MATERIALS, 123: 113294 2023***

1. *Reale, M*

*Fluorescent nanocarbons as building blocks for optical hybrid structures.*

***Doctoral dissertation, University of Palermo, 2023,*** ***https://iris.unipa.it/retrieve/89e621fc-f2dd-46db-b892-4d29d8491f1e/PhDThesis\_MReale\_compressed.pdf***

1. *Banerjee, S; Chakraborty, D;... & Sarkar, M*

*Understanding the Interaction between Inorganic and Organic Excitonic Components of an Inorganic‐Organic Nanohybrid Associate.* ***CHEMNANOMAT, 2022, https://doi.org/10.1002/cnma.202200117***

1. *Vujačić, A; Grbovic Novakovic, J*

*Nano/Microcarriers in Drug Delivery: Moving the Timeline to Contemporary*

***CURRENT MEDICINAL CHEMISTRY, 2022, DOI: 10.2174/0929867329666220821193938***

1. *Zhang, W*

*Selective Detection and Removal of Zinc Oxide Nanoparticles in Contaminated Water*

***Doctoral dissertation, Carleton University, 2022, https://curve.carleton.ca/8c9f6657-eb86-4086-841c-a24d1feb1fc4***

1. *Zhang, R; Yu, L;...& Fang, J*

*Tip Enrichment Surface-Enhanced Raman Scattering Based on the Partial Leidenfrost Phenomenon for the Ultrasensitive Nanosensors,* ***SENSORS AND ACTUATORS B CHEMICAL, 355: 131250 2022***

1. *Yu, JH; Jeong, MS; ... & Rao, J*

*Highly Excretable Gold Supraclusters for Translatable In Vivo Raman Imaging of Tumors.*

***bioRxiv, 2022, doi: https://doi.org/10.1101/2022.10.18.512314***

1. *Mendalz, A*

*Monitoring the plasmon activity of metalnanoparticles using dye quenchingexperiments*

***Uppsala University, 2021,* *https://www.diva-portal.org/smash/get/diva2:1597073/FULLTEXT01.pdf***

1. *Laban, B; Ralević, U; Petrović, S;...& Vasić, V*

*Green synthesis and characterization of nontoxic L-methionine capped silverand gold nanoparticles*

***JOURNAL OF INORGANIC BIOCHEMISTRY 204: 1109582 2020***

1. *Banerjee, S; Preeyanka, N; Dey, H;… & Sarkar, M*

*Highly Efficient Energy Transfer from Fluorescent Gold Nanoclusters to Organic J-Aggregates.*

***JOURNAL OF PHYSICAL CHEMISTRY C, 2020, https://doi.org/10.1021/acs.jpcc.9b10347***

1. *Nikezić, AV;, Bondžić, AM; Vasić, VM*

*Drug Delivery Systems Based on Nanoparticles and Related Nanostuctures.*

***EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2020, https://doi.org/10.1016/j.ejps.2020.105412***

1. *Kondorskiy, AD; Lebedev, VS*

*Spectral-band replication phenomenon in a single pair of hybrid metal-organic nanospheres and nanodisks caused by plexcitonic coupling.****OPTICS EXPRESS, 27(8), 11783-11799 2019***

1. *Agrawal, AK; Sahu, PK; Seth, S; Sarkar, M*

*Electrostatically Driven Fӧrster Resonance Energy Transfer between a Fluorescent Metal Nanoparticle and J-Aggregate in an Inorganic-Organic Nanohybrid Material.****JOURNAL OF PHYSICAL CHEMISTRY C, 2019,* *DOI: 10.1021/acs.jpcc.8b10274***

1. *Relinque, JJ; de León, AS; Hernández-Saz, J; García-Romero, MG;…& Molina, SI*

*Development of Surface-Coated Polylactic Acid/Polyhydroxyalkanoate (PLA/PHA)**nanocomposites*

***POLYMERS, 11(3), 400 2019, https://doi.org/10.3390/polym11030400***

1. *Dutta, R; Bhattacharya, S; Pyne, A; Dattab, PK; Sarkar, N*

*Unveiling the interaction between carbon nanodot and IR light emitting fluorescent dyes inside the confined micellar environment.****JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, 2019,*** ***https://doi.org/10.1016/j.jphotochem.2019.03.051***

1. *Relinque Madroñal, JJ.;Sanz de León, A;… & Molina Rubio, SI*

*Development of Surface-Coated Polylactic Acid/Polyhydroxyalkanoate (PLA/PHA) Nanocomposites*

***POLYMERS,******2019, http://hdl.handle.net/10498/21250***

1. *Bondžić, AM; Leskovac, AR; Petrović, SŽ;... & Vasić, VM*

*Conjugates of Gold Nanoparticles and Antitumor Gold (III) Complexes as a Tool for Their AFM and SERS Detection in Biological Tissue.****INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 20(24): 6306 2019***

1. *Yeo, DC; Wiraja, C; Paller, AS; Mirkin, CA; Xu, C*

*Abnormal scar identification with spherical-nucleic-acid technology.*

***NATURE BIOMEDICAL ENGINEERING, 2(4): 227-238 2018***

1. *Paul, P; Chatterjee, S; Pramanik, A; Karmakar, P; Bhattacharya, SC; Suresh Kumar, G*

*Thionine Conjugated Gold Nanoparticles Triggers Apoptotic Activity Towards HepG2 Cancer Cell Line.*

***ACS BIOMATERIALS SCIENCE & ENGINEERING, 4(2): 635-646.2018***

1. *Saini, A; Kaur, R; Singh, N; Kuwar, AS; Kaur, N*

*High Performance Fluorescent Turn-On Probe for Amitriptyline Based on Hybrid Nanoassembly of Organic–Inorganic Nanoparticles.****ACS APPLIED BIO MATERIALS, 2018****,* ***DOI: 10.1021/acsabm.8b00482***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***Chapter In Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

1. *Walters, CM; Pao, C; Gagnon, BP; Zamecnik, CR; Walker, GC*

*Bright Surface‐Enhanced Raman Scattering with Fluorescence Quenching from Silica Encapsulated J‐Aggregate Coated Gold Nanoparticles.****ADVANCED MATERIALS, 30(5):1705381 2018, DOI: 10.1002/adma.201705381***

1. *Rajamanikandan, R; Ilanchelian, M*

*Simple and visual approach for highly selective biosensing of vitamin B1 based on glutathione coated silver nanoparticles as a colorimetric probe.* ***SENSOR AND ACTUATORS B: CHEMICAL, 244: 380-386 2017***

1. *Zhu, J; Wang, JF; Li, JJ; Zhao, JW*

*Specific detection of carcinoembryonic antigen based on fluorescence quenching of Au-Ag core-shell nanotriangle probe.* ***SENSOR AND ACTUATORS B: CHEMICAL: 233, 214-222 2016***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana,****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Upadhyayula, S; Nunez, V; Espinoza, EM; Larsen, JM; Bao, D; Shi, D; Mac, J; Anvari B;Vullev, VI*

*Photoinduced Dynamics of a Cyanine Dye: Parallel Pathways of Non-radiative Deactivation Involving Multiple Excited-State Twisted Transients.* ***CHEMICAL SCIENCE, 6 (4): 2237-2251 2015***

1. *Chen, Y; Wang, J; Li, J; Wei, S*

*The luminescence inner filter effect of Mn2+-doping (ZnS) 2⋅ octylamine inorganic/organic hybrid thin films and its sensor application for environmental contaminants.****RSC ADVANCES, 5 (86): 70238-70243 2015***

1. *Banerjee, C., Kuchlyan, J., Banik, D., Kundu, N., Roy, A., Ghosh, S., Sarkar, N*

*Interaction of Gold Nanocluster with IR Light Emitting Cyanine Dye: A Systematic Fluorescence Study* ***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 16 (32): 17272-17283 2014***

1. *Chen, B; Li, X; Wu, W; Zhaa, Q; Xie, Y*

*A novel trigeminal zinc porphyrin and corresponding porphyrin monomers for dye-sensitized solar cells*

***RSC ADVANCES, 4: 10439-10449 2014***

1. *Zhao, Q; Sun, J; Liu, B; He, J*

*Coloring properties of novel 1, 4-distyrylbenzene and 4, 4′-distyrylbiphenyl fluorescent brighteners and their arrangement in cotton and polyester fiber,* ***CELLULOSE, 21 (4):2937-2950 2014***

1. *Sharma, AS; Ilanchelian, M*

*Elucidation of photophysical changes and orientation of acridine orange dye on the surface of borate capped gold nanoparticles using multi-spectroscopic techniques.* ***PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES,* *13(12): 1741-1752 2014***

1. *Soni, M; Das, SK; Sahu, PK; Kar, UP; Rahaman, A; Sarkar, M*

*Synthesis, photophysics, live cell imaging, and aggregation behavior of some structurally similar alkyl chain containing bromonaphthalimide systems: Influence of alkyl chain length on the aggregation behavior*

***JOURNAL OF PHYSICAL CHEMISTRY C, 117 (27): 14338-14347 2013***

**43.** **Vodnik VV;** Šaponjić Z; Džunuzović JV; Bogdanović U; Mitrić M; Nedeljković J

*Anisotropic silver nanoparticles as filler for the formation of hybrid nanocomposites*

**MATERIALS RESEARCH BULLETIN, 48(1): 52–57 2013**

1. *Gahramanli, L; Bellucci, S;...& Gomez, CV*

*The effect of thermal annealing of GO/PVA on their physical, structural, and morphological properties.*

***COMPOSITE INTERFACES, 2024, https://doi.org/10.1080/09276440.2024.2413730***

1. *Gahramanli, L; Bellucci, S;…& Gomez, CV*

*Fabrication of graphene oxide-reinforced polyvinyl alcohol and study effect of thermal annealing of GO/PVA nanocomposites on their properties.* ***JOURNAL OF OVONIC RESEARCH, 20(5):715-730 2024***

1. *Danischewski, J; Donelson, D;...&Roca, M*

*Color Transferability from Solution to Solid Using Silica Coated Silver Nanoparticles*

***LANGMUIR, 2023, DOI: 10.1021/acs.langmuir.2c02611***

1. *Jha, M; Shimpi, NG*

*Mechanical response of silver/polyvinyl alcohol thin film: from one-step and cyclic nanoindentation.*

***ADVANCED INDUSTRIAL AND ENGINEERING POLYMER RESEARCH, 5(3):159-170 2022***

1. *Naseem, K; Tahir, MH;... & Khan, SU*

*Strategies adopted for the preparation of sodium alginate–based nanocomposites and their role as catalytic, antibacterial, and antifungal agents.* ***REVIEWS IN CHEMICAL ENGINEERING, 2022, https://doi.org/10.1515/revce-2022-0016***

1. *Bulla, S; Bhajantri, R;...&Kathiresan*

*Biosynthesized Silver Nanoparticles Encapsulated in a Poly(vinyl alcohol) Matrix: Dielectric and Structural Properties*

***CHEMISTRY SELECT, 2022, DOI: 10.1002/slct.202201771***

1. *Constantin, M; Lupei, M;...& Fundueanu, G*

*PVA/Chitosan Thin Films Containing Silver Nanoparticles and Ibuprofen for the Treatment of Periodontal Disease*

***POLYMERS 15(1):4 2022***

1. *Abdeltwab, E; Atta, A*

*Structural and Electrical Properties of Ion Irradiated Flexible ZnO/PVA Nanocomposite Films.*

***SURFACE INNOVATIONS, 2021, https://doi.org/10.1680/jsuin.21.00045***

1. *Krishna, K, Harisha, KS; Neelakandan, R; Sangappa, Y*

*Fabrication and conductivity study of silver nanoparticles loaded polyvinyl alcohol (PVA-AgNPs) nanofibers.*

***MATERIALS TODAY: PROCEEDINGS, 45: 515-520 2021***

1. *Atta, A; Reheem, AMA, Abdeltwab, E*

*Ion Beam Irradiation Effects on Surface Morphology and Optical Properties of ZnO/PVA Composites*

***SURFACE REVIEW AND LETTERS, 2020, DOI: 10.1142/S0218625X19502147***

1. *Selim, A; Tóth, AJ;… & Mizsey, P*

*Pervaporation Performance of Ag-PVA Nanocomposite Membranes: Effect of Operating Temperature.*

***PERIODICA POLYTECHNICA CHEMICAL ENGINEERING, 64(1):85-92 2020***

1. *Selim, AKM*

*Development and examination of high-performance membranes for pervaporative alcohol dehydration and water desalination.****Doctoral thesis, Budapest University of Technology and Economics, 2020, https://repozitorium.omikk.bme.hu/bitstream/handle/10890/13375/ertekezes.pdf?sequence=2***

1. *Bhiradi, I; Hiremath, S S*

*Energy efficient and cost effective method for generation of in-situ silver nanofluids: Formation, morphology and thermal properties.* ***ADVANCED POWDER TECHNOLOGY, 2020, https://doi.org/10.1016/j.apt.2020.08.010***

1. *Liu,Y; Peng, B*

*Study on preparation of Ag/PVA nano polymer matrix composite using responce surface methodology*

***FRESENIUS ENVIRONMENTAL BULLETIN, 29(9A): 8072-8078 2020***

1. *Selim, A; Valentínyi, N; Mizsey, P*

*Influence of double-network interpenetration on ethanol dehydration performance of PVA-based pervaporation membranes.* ***CHEMICAL PAPERS, 73(5): 1069-1081 2019***

1. *Roca, M; Skipper, HE;Ndrianasy, JR*

*Optical Properties of Nanocomposite Films: Size-tuned vs. Shape-tuned Silver Nanoparticles*

***AMERICAN JOURNAL OF NANOMATERIALS, 7(1), 22-29 2019***

1. *Selim, A; Toth, AJ;...& Mizsey, P*

*Pervaporation Performance of Ag-PVA Nanocomposite Membranes: Effect of Operating Temperature*

***PERIODICA POLYTECHNICA CHEMICAL ENGINEERING, 2019, DOI: 10.3311/PPch.13809***

1. *Abidin, SNJSZ.; Mamat, MS; Rasyid, SA; Zainal, Z; Sulaiman, Y*

*Electropolymerization of poly (3, 4-ethylenedioxythiophene) onto polyvinyl alcohol-graphene quantum dot-cobalt oxide nanofiber composite for high-performance supercapacitor****ELECTROCHIMICA ACTA, 261:548-556 2018***

1. *Martin, M; Prasad, N; Sivalingam, MM; Sastikumar, D; Karthikeyan, B*

*Optical, phonon properties of ZnO–PVA, ZnO–GO–PVA nanocomposite free standing polymer films for UV sensing.*

***JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, 29(1), 365-373 2018***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices,****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Selim, A; Valentínyi, N; Nagy, T; Toth, AJ; Fozer, D; Haaz, E; Mizsey, P*

*Effect of silver-nanoparticles generated in poly (vinyl alcohol) membranes on ethanol dehydration via pervaporation.*

***CHINESE JOURNAL OF CHEMICAL ENGINEERING, 2018,* *https://doi.org/10.1016/j.cjche.2018.11.002***

1. *Selim, A; Valentinyi, N; Mizsey. P*

*Influence of double-network interpenetration on ethanol dehydration performance of PVA-based pervaporation membranes,****CHEMICAL PAPERS, 2018, DOI: 10.1007/s11696-018-0658-5***

1. *Sangeetha, K; Rani, K; Sukumaran, A; Sudha, PN*

*Fabrication and investigation of continuous aligned chitosan based nanofiber by electrospinning.*

***WORD JOURNAL OF PHARMACEUTICAL RESEARCH, 7(8): 282-290 2018***

1. *Narayanan, KB; Han, SS*

*Dual-crosslinked poly (vinyl alcohol)/sodium alginate/silver nanocomposite beads–A promising antimicrobial material.****FOOD CHEMISTRY, 234: 103-110 2017***

1. *Mukherjee, PS; Das, AK; Dutta, B; Meikap, AK*

*Role of silver nanotube on conductivity, dielectric permittivity and current voltage characteristics of polyvinyl alcohol-silver nanocomposite film.*

***JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 2017,*** [***https://doi.org/10.1016/j.jpcs.2017.07.032***](https://doi.org/10.1016/j.jpcs.2017.07.032)

1. *Džunuzović, ES; Džunuzović, JV*

*Optical Properties of Nanocomposites.****Chapter in:Nanocomposite Material,s*** ***Synthesis, Properties and Applications,*** ***Taylor & Francis Group,******eBook ISBN: 978-1-4822-5818-9, p. 207–231, 2016***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Plaipaitė-Nalivaiko, R*

*Formation and modification of nanostructured composite materials with electron and photon beams* ***Doctoral dissertation, Kaunas University of Technology, 2015, http://gs.elaba.lt/object/elaba:15099872/***

1. *El-Shamy AG;* [*Attia,*](http://www.scopus.com/authid/detail.url?authorId=55991452000&amp;eid=2-s2.0-84891815309) *W; Abd El-Kader, KM*

*The Optical and Mechanical properties of PVA-Ag nanocomposite films*

***JOURNAL OF ALLOYS AND COMPOUNDS, 590: 309-312, 2014***

1. *Fan, Y; Ren,Y; Fang,Y; Wu, M*

*Self-seeding synthesis of silver nanosheets with binary reduction in poly(vinylpyrrolidone)–sodium dodecyl sulphate aggregation microreactor,****MICRO & NANO LETTERS, 9(10):726-730 2014***

1. [*Leonov*](https://www.researchgate.net/researcher/2006507343_MYu_Leonov/)*, MY;* [*Orlova*](https://www.researchgate.net/researcher/58948327_AO_Orlova/)*,AO;*  [*Baranov*](https://www.researchgate.net/researcher/5472412_AV_Baranov/)*, AV;*  [*Fedorov*](https://www.researchgate.net/researcher/19764700_AV_Fedorov/)*, AV;* [*Rukhlenko*](https://www.researchgate.net/researcher/39553368_ID_Rukhlenko/)*, ID;*  [*Gun’ko*](https://www.researchgate.net/researcher/2042550271_YuK_Gunko/)*,YK*

*Transient intraband absorption of light by semiconductor nanorods*

***JOURNAL OF OPTICAL TECHNOLOGY C, 80(11):648–654 2013***

1. *Леонов, М Ю; Орлова, А О; Баранов, А В, Рухленко, ИД; Гунько, Ю К; Федоров, А В*

*Нестационарное внутризонное поглощение света полупроводниковыми наностержнями*

***Оптический журнал, 80(11): 7-15 2013,*** ***http://opticjourn.ifmo.ru/file/article/9777.pdf***

1. *Leonov MY*[*; Rukhlenko*](http://profiles.spiedigitallibrary.org/summary.aspx?DOI=10.1117%2f12.2023801&Name=Ivan+D.+Rukhlenko)*,ID*[*; Baranov*](http://profiles.spiedigitallibrary.org/summary.aspx?DOI=10.1117%2f12.2023801&Name=Alexander+V.+Baranov)*, AV;*  [*Fedorov*](http://profiles.spiedigitallibrary.org/summary.aspx?DOI=10.1117%2f12.2023801&Name=Anatoly+V.+Fedorov)*, AV*

*Time-resolved pump-probe spectroscopy of intraband absorption by a semiconductor nanorod*

***NANOPHOTONIC MATERIALS X 8807: 88070Y 2013; doi:10.1117/12.2023801***

**44.** Lazić, V; **Vodnik, V**; Nedeljković, J; Šaponjić, Z; Jovančić, P; Radetić, M

*Antibacterial and colorimetric evaluation of cotton fabrics dyed with direct dyes and loaded with Ag nanoparticles,* **INDUSTRIA TEXTILA, 64 (2): 89-97 2013**

1. *Ботабаев, НЕ; Бектурсунова, АК;Ердем, Р*

*The effect of the nanocomposition of silver and carboxymethyl starch on the color and antibacterial characteristics of dyed knitted fabrics,* ***MECHANICS AND TECHNOLOGIES, 2024, DOI: 10.55956/ZZLK8587***

1. *Absalyamova1, AK; Botabaev, NE;…&Yerkebai, MN*

*Antibacterial properties of the silver nanoparticles and application in textile production*

***MECHANICS AND TECHNOLOGIES / ҒЫЛЫМИ ЖУРНАЛ, 2024,*** ***https://doi.org/10.55956/SCSK2485***

1. *Botabayev, N; Bektursunova, A;...&Omirtay, MK*

*Changes in the calorimetric characteristics of textiles during antibacterial treatment with metal nanoparticles*

***MECHANICS AND TECHNOLOGIES/*** ***НАУЧНЫЙ ЖУРНАЛ 2024, DOI: 10.55956/LFUJ2602***

1. *Bektursunova, A;Botabayev, N; ...&Nabiev, D*

*Changes of color and antibacterial characteristics of knitted fabrics dyed with reactive dyes after treatment with a nanocomposition of silver and carboxymethyl starch* ***Textile research journal, 2021, DOI: 10.1177/00405175211050512***

1. *Milošević, MV*

*Nanokompoziti sa antimikrobnim svojstvima sintetisani fotoredukcijom jona srebra na površini nanokristala titan (IV)-oksida različitih oblika deponovanih na tekstilnim materijalima*

***Doctoral dissertation, Универзитет у Београду, Технолошко-металуршки факултет, 2017.***

1. *Gorjanc, M; Šala, M*

*Durable antibacterial and UV protective properties of cellulose fabric functionalized with Ag/TiO2 nanocomposite during dyeing with reactive dyes.****CELLULOSE, 2016 DOI:10.1007/s10570-016-0945-7***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Lazić, V; Stoiljković, M; Radetić, M*

*Antibacterial and UV protective properties of polyamide fabric impregnated with TiO2/Ag nanoparticles*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 80 (5): 705-715 2015***

1. *Stefaniak, AB; Duling, M G; Lawrence, RB; Thomas, TA; LeBouf, RF; Wade, EE; Abbas Virji, M*

*Dermal exposure potential from textiles that contain silver nanoparticles*

***INTERNATIONAL JOURNAL OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH, 20(3):220-234 2014.***

1. [*Dumitrescu, I;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=6603724244&zone=)[*Iordache, OG;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55588419300&zone=)[*Mocioiu, AM;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8349671000&zone=)[*Nicula, G*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=24491070000&zone=)

*Antimicrobial functionalization of textile materials with hydrophobins and Ag/ZnO composite nanopowders*

***INDUSTRIA TEXTILA 64(6): 303-312 2013***

**45.** Vujačić, A; **Vodnik, V;** Sovilj, S.P; Dramićanin, M, Bibić, N; Milonjić, S; Vasić, V

*Adsorption and Fluorescence Quenching of 5,5’-disulfopropyl-3,3’-dichlorothiacyanine Dye on Gold Nanoparticles*, **NEW JOURNAL OF CHEMISTRY, 37(3): 743-751 2013**

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2023***

1. *Zhang, W*

*Selective Detection and Removal of Zinc Oxide Nanoparticles in Contaminated Water*

***Doctoral dissertation, Carleton University, 2022, https://curve.carleton.ca/8c9f6657-eb86-4086-841c-a24d1feb1fc4***

1. *Prashanth, KM*

*Extracellular Synthesis of Silver Nanoparticles Mediated by Streptomyces thermocarboxydus Strain PRO 33 and its Antimicrobial Activity.* ***INDIAN JOURNAL OF NATURAL SCIENCES, 13(75): 50351-50360 2022***

1. *Vujačić, A; Grbovic Novakovic, J*

*Nano/Microcarriers in Drug Delivery: Moving the Timeline to Contemporary*

***CURRENT MEDICINAL CHEMISTRY, 2022, DOI: 10.2174/0929867329666220821193938***

1. *Nikezić, AV;, Bondžić, AM; Vasić, VM*

*Drug Delivery Systems Based on Nanoparticles and Related Nanostuctures.*

***EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2020, https://doi.org/10.1016/j.ejps.2020.105412***

1. *Farmani, MR; Peyman, H; Roshanfekr, H*

*Blue luminescent graphene quantum dot conjugated cysteamine functionalized-gold nanoparticles (GQD-AuNPs) for sensing hazardous dye Erythrosine B.****SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 229, 117960 2020***

1. *ElMitwalli, OS; Barakat, OA;… & Henari, FZ*

*Green synthesis of gold nanoparticles using cinnamon bark extract, characterization, and fluorescence activity in Au/eosin Y assemblies.* ***JOURNAL OF NANOPARTICLE RESEARCH, 22(10): 1-9 2020***

1. *Nagappan, S: Jeon, Y; Park, SS; Ha, CS*

*Hexadecyltrimethylammonium Bromide Surfactant-Supported Silica Material for the Effective Adsorption of Metanil Yellow Dye,* ***ACS OMEGA, 4: 8548-8558, 2019***

1. *Yuan, C; Chen, T; Wu, X; Yang, G*

*Oxygen Vacancy‐Engineered PEGylated MoO3−x Nanoparticles with Superior Sulfite Oxidase Mimetic Activity for Vitamin B1 Detection,* ***SMALL, 2019, DOI: 10.1002/smll.201903153***

1. *Farmani, MR; Peyman, H; Roshanfekr, H*

*Blue luminescent graphene quantum dot conjugated cysteamine functionalized-gold nanoparticles (GQD-AuNPs) for sensing hazardous dye Erythrosine B.****SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 229:117960 2019***

1. *Kondorskiy, AD; Lebedev, VS*

*Spectral-band replication phenomenon in a single pair of hybrid metal-organic nanospheres and nanodisks caused by plexcitonic coupling,* ***OPTICS EXPRESS 27(8):11783 2019, DOI: 10.1364/OE.27.011783***

1. *Vijayabharathi, R; Sathya, A; Gopalakrishnan, S*

*Extracellular biosynthesis of silver nanoparticles using Streptomyces griseoplanus SAI-25 and its antifungal activity against Macrophomina phaseolina, the charcoal rot pathogen of sorghum.*

***BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, 14: 166-171 2018***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana,****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Li, Y; Zhang, G; Tao, M*

*Binding properties of herbicide chlorpropham to DNA: Spectroscopic, chemometrics and modeling investigations*

***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B: BIOLOGY, 138: 109-117 2014***

1. *Sharma, AS; Ilanchelian, M*

*Elucidation of photophysical changes and orientation of acridine orange dye on the surface of borate capped gold nanoparticles using multi-spectroscopic techniques.* ***PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, 13(12): 1741-1752 2014***

**46.** Pergal, MV; Džunuzović, JV; Poręba, R; Steinhart, M; Pergal, MM; **Vodnik, V**; Špírková, M

*Structure–Property Correlation Study of Novel Poly (urethane–ester–siloxane) Networks*

**INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 52 (18), 6164-6176 2013**

1. *Bai, Y; Jiang, X;...&Zhang, Y*

*Polydimethylsiloxane enabled triple-action water-resistant coating with desirable relaxation rate in clear aligner*

***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 2024,DOI: 10.1016/j.jcis.2024.07.181***

1. *Shafiq. A; Bhatti, IA;...&Rasheed, T*

*Lignin derived polyurethanes: Current advances and future prospects in synthesis and applications*

***EUROPEAN POLYMER JOURNAL 209(1):112899 2024, DOI: 10.1016/j.eurpolymj.2024.112899***

1. *Bao, M; Liu, T...& Ni, X*

*The Hydrogen Bonding in the Hard Domains of the Siloxane Polyurea Copolymer Elastomers* ***POLYMERS 16(17):2438 2024***

1. *Stefanović, IS; Dzunuzović, JV;...&Ranđelović*

*The influence of polycaprolactone content on the surface properties of polyurethane networks*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2023. DOI: 10.1002/app.54989***

1. *Pergal, MV; Gojgić-Cvijović, G; ...M. Špirkova*

*Novel polyurethane network/organoclay nanocomposites: Microstructure and physicochemical properties*

***PROGRESS IN ORGANIC COATINGS, 163:106664. 2022, DOI: 10.1016/j.porgcoat.2021.106664***

1. *Pergal, MV; Dojčinović, BP;...Antić, B*

*Synthesis, physicochemical, and antimicrobial characteristics of novel poly(urethane-siloxane) network/silver ferrite nanocomposites,* ***JOURNAL OF MATERIALS SCIENCE, 2022, DOI: 10.1007/s10853-022-07178-9***

1. *Pergal, MV; Brkljačić, J; ... & Knežević, NŽ*

*Effect of mesoporous silica nanoparticles on the properties of polyurethane network composites.*

***PROGRESS IN ORGANIC COATINGS, 151: 106049 2021, https://doi.org/10.1016/j.porgcoat.2020.106049***

1. *Manjencic, D, Seitsonen, J;...& Ristić, I*

*Influence of nanofillers on the properties of siloxane elastomers,****HEMIJSKA INDUSTRIJA, 74(2): 133 2020***

1. *Nguyen, LT; Pham, HQ; ... & Nguyen, TQ*

*Macromolecular design of a reversibly crosslinked shape-memory material with thermo-healability.*

***POLYMER, 188, 122144 2020***

1. *Džunuzović, JV; Stefanović, IS;....˛Lama, GC*

*Polyurethane networks based on polycaprolactone and hyperbranchedpolyester: Structural, thermal and mechanical investigation,* ***PROGRESS IN ORGANIC COATINGS 137: 105305 2019***

1. *Amjed, N; Bhatti, IA; Zia, KM; Iqbal, J; Jamil, Y*

*Synthesis and characterization of stable and biological active chitin-based polyurethane elastomers.* ***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2019,*** ***https://doi.org/10.1016/j.ijbiomac.2019.11.097***

1. *Zhou, S; Liang, Y; Chen, K; Shao, Y*

*Synthesis and characterization of a novel polyurethane curing agent modified by a diazafluorene derivative*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2018, DOI: 10.1002/app.46591***

1. *Pergal, MV; Balaban, M.*

*Synthesis and structure–property relationships of biodegradable polyurethanes*

***Chapter In book: Biodegradable Polymers: Recent Developments and New Perspectives,141-190, 201 7, DOI: 10.5599/obp.14.6 https://pdfs.semanticscholar.org/c65e/c77319e8766c403437016226986dab58e07c.pdf***

1. *Yi, T; Ma, G; Hou, C; Li, S; Zhang, R; Wu, J; Hao, X*

*Preparation and properties of poly (siloxane‐ether‐urethane)‐acrylic hybrid emulsions.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2017,* *DOI: 10.1002/app.44927***

1. *Pergal, MV; Stefanović, IS; Poreba, R; Steinhart, M; Jovancic, PM; Ostojić, S;Spirkova, M*

*Influence of Organoclay Content on the Structure, Morphology and Surface Related Properties of Novel Poly (dimethylsiloxane)-based Polyurethane/Organoclay Nanocomposites.*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH,******56 (17):4970–4983 2017***

1. *Byczyński, Ł*

*Poly (urethane-siloxane) Copolymers as New Coating Materials.* ***IN POLYURETHANE POLYMERS, pp. 283-304 2017***

1. *Behara, PK; Usha, KM; Guchhait, PK.; Jehnichen, D; Das, A; Voit, B; Singha, NK*

*A Novel Ionomeric Polyurethane Elastomer Based on Ionic Liquid as Crosslinker****.***

***RSC ADVANCES,******6(101): 99404-99413 2016***

1. *Yang, K; Dai, ZL; Dong, QZ*

*Effect of Polydimethylsilxoane Molecular of Soft Segment on Novel Urethane-Siloxane Copolymers****.***

***JOURNAL OF DONGHUA UNIVERSITY, 33(1): 38-45 2016***

1. *Stefanović, I; Ekmeščić, B M;...&Pergal, MV*

*Structure, Thermal and Morphological Properties of Novel Macroporous Amino-Functionalized Glycidyl Methacrylate Based Copolymers.****INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 54 (27): 6902–6911 2015***

1. *Emamikia, M., Barikani, M., & Bakhshandeh, G*

*Relationship between structure and aromatic solvent permeability of the crosslinked polyurethanes based on hyperbranched polyesters*. ***POLYMER INTERNATIONAL, 64(9): 1142-1154 2015***

1. *Zhang, Q; Liu, H; Zhan, X; Chen, F; Yan, J; Tang, H*

*Microstructure and antibacterial performance of functionalized polyurethane based on polysiloxane tethered cationic biocides.* ***RSC ADVANCES, 5(95): 77508-77517 2015***

1. *Dai, Z; Yang, K; Dong, Q*

*Mechanical, Thermal and Morphology Properties of Thermoplastic Polyurethane Copolymers Incorporating α, ω-Dihydroxy-[poly (propyleneoxide)-poly (dimethylsiloxane)-poly (propyleneoxide)] of Varying Poly (propyleneoxide) Molecular Weight.* ***OPEN JOURNAL OF SYNTHESIS THEORY AND APPLICATIONS, 4(3): 41-57 2015***

**47.** Laban, BB; **Vodnik, V;** Vujačić, A; Sovilj, SP; Jokić, AB; Vasić, V

*Spectroscopic and Fluorescence Properties of Silver-Dye Composite Nanoparticles*

**RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A,87(13):2219–2224 2013**

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2023***

1. *Nikezić, AV;, Bondžić, AM; Vasić, VM*

*Drug Delivery Systems Based on Nanoparticles and Related Nanostuctures.*

***EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2020, https://doi.org/10.1016/j.ejps.2020.105412***

1. *Veljović, DN; Gurešić, DM… & Laban, BB*

*Solid‐State Synthesis of Silver Nanoparticles and Their Catalytic Application in Methylene Blue Reduction.* ***CHEMISTRY SELECT, 5(34): 10488-10494******2020***

1. *Laban, B; Košanin, M: Isić, G; Ralević, U; Marković, M; Jokić, A, Vasić, V*

*Preparation of silver and copper nanoparticles in presence of ascorbic acis and investigatio og their antibacterial activity* ***University thought, Publication in Natural Sciences, 2017,* *DOI: 10.5937/univtho7-14762***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***DoCtoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana,****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Streckaitė, S*

*Sidabro nanodalelių formavimas ir jų įtaka organinių medžiagų optinėms savybėms****Doctoral dissertation, Vilnius University, 2016.*** ***https://scholar.google.com/scholar?oi=bibs&hl=sr&authuser=1&cites=9186504360741901959***

**48.** Konstantinović Z; **Vodnik V**; Saponjic Z; Nedeljkovic J; Pomar A; Santiso J; Sandiumenge F; Balcells L; Martinéz B, *Self-Assembled Nanostructures as Templates for the Integration of Nanoparticles in Oxide Surfaces*,

***J Nanomedicine Biotherapeutic Discov*** **3(1): 112** **2013**, ISSN: 2155-983X, doi:10.4172/2155-983X.1000112.

1. *Moulick, D; Majumdar, A;... & Hossain, A*

*Emerging Concern of Nano-pollution in Agro-Ecosystem: Flip Side of Nanotechnology.*

***PLANT PHYSIOLOGY AND BIOCHEMISTRY, 211: 108704 2024***

1. *Shivangi, M*

*Nanotechnology: an overview and its applications,* ***In book: Futuristic Trends in Chemical, Material Sciences & Nano Technology Volume 2 Book 12,* *2023 DOI: 10.58532/V2BS12P1CH7***

1. *Singh, M; Sharma, V;...& Verma, N*

*Nanotechnology for Novel Drug Delivery: A Systematic Review of Classification, Preparation, Characterization, and Applications of Nanoparticles in Drug Delivery.* ***BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA, 20(4), PP.1147-1165* *2023***

**49.** Vukoje, ID; **Vodnik**,**VV**; Džunuzović, JV; Džunuzović, ES;Marinović-Cincović, MT; Jeremić, K; Nedeljković, JM, *Characterization of silver/polystyrene nanocomposites prepared by in situ bulk radical polymerization,*

**MATERIALS RESEARCH BULLETIN, 49(1):434–439 2014**

1. *Mohammadsalih, ZG; Siddiqui, VU;Sapuan, SM*

*The role of organic solvent and nano-additives loading in preparing and characterizing graphene oxide based polystyrene nanocomposites,* ***POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 2024, DOI: 10.1080/25740881.2024.2325431***

1. *Lysenkov EA, Striutskyi OV*

*Influence of filler introduction method on structure and properties of polymer composites based on polyurethane and silver nanoparticles.* ***COMPOSITE THEORY AND PRACTICE, 23 (3): 145-152 2023***

1. *Silva, A; Bezerra, AVA;...& Machado, RAFM*

*Nanocomposites production of polystyrene/silver obtained by embedding silver nanoparticles in situ with styrene polymerization*

***BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING, 2022, DOI: 10.1007/s43153-021-00207-1***

1. *Mohammadsalih, ZG; Inkson, BJ; Chen, B*

*The effect of dispersion condition on the structure and properties of polystyrene/graphene oxide nanocomposites.*

***POLYMER COMPOSITES, 2021, https://doi.org/10.1002/pc.25827***

1. *Spoiala, A; Ficai, D;....& Andronescu, E*

*Toward Synthesis-derived Applications of Silver Nanoparticles,*

***PREPRINTS, 2020, DOI: 10.20944/preprints202003.0272.v1***

1. *Lazić, V; Mihajlovski, A; Mraković, A;....& Nedeljković, J*

*Antimicrobial activity of silver nanoparticles supported by magnetite,****CHEMISTRY SELECT 4(14):4018-4024 2019***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices****Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2019,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Pei, X: Han, Wei;....&Tang, Y*

*Temperature effects on structural integrity of fiber‐reinforced polymer matrix composites: A review*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2019, DOI: 10.1002/app.48206***

1. *Qi, Y; Ling-Hui, M;...&Zhang, XQ*

*Hydrophilic and Antibacterial Modification of Poly(lactic acid) Films by γ-ray Irradiation*

***ACS OMEGA, 2019, DOI: 10.1021/acsomega.9b03132***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Lazić, V; Smičiklas, I; Marković, J; Lončarević, D; Dostanić, J; Ahrenkiel, SP; Nedeljković, J M*

*Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid.*

***VACUUM, 148: 62-68 2018***

1. *Vukoje, ID; Džunuzović, ES; Dimitrijević, S; Ahrenkiel, PS; Nedeljković, JM*

*Size‐dependent antibacterial properties of Ag nanoparticles supported by amino‐functionalized poly (GMA‐co‐EGDMA) polymer.****POLYMER COMPOSITES, 2018****,* ***https://doi.org/10.1002/pc.25120***

1. *Tian, Q; Yu, X; Zhang, L; Yu, D*

*Monodisperse raspberry-like multihollow polymer/Ag nanocomposite microspheres for rapid catalytic degradation of methylene blue.* ***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 491: 294-304 2017***

1. *Vukoje, ID*

*Sinteza, karakterizacija i primena nanočestica srebra na makroporoznom polimernom nosaču*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2017, http://uvidok.rcub.bg.ac.rs/bitstream/handle/123456789/2103/Doktorat.pdf?sequence=1***

1. *Wang, J;Chen, H; Chen, Z;Chen, Y; Guo, D; Ni, M*

*In-situ formation of silver nanoparticles on poly (lactic acid) film by γ-radiation induced grafting of N-vinyl pyrrolidone,* ***MATERIALS SCIENCE AND ENGINEERING: C 63: 142-149 2016***

1. *Džunuzović, ES; Džunuzović, JV*

*Optical Properties of Nanocomposites.****Chapter in:Nanocomposite Material,s*** ***Synthesis, Properties and Applications,*** ***Taylor & Francis Group,******eBook ISBN: 978-1-4822-5818-9, p. 207–231, 2016***

1. *Nguyen, TV; Nguyen, TA; Dao, PH; Nguyen, TH*

*Effect of rutile titania dioxide nanoparticles on the mechanical property, thermal stability, weathering resistance and antibacterial property of styrene acrylic polyurethane coating,****ADVANCES IN NATURAL SCIENCE: NANOSCIENCE AND NANOTECHNOLOGY, 7(4) 2016  DOI:10.1088/2043-6262/7/4/045015***

1. *Liao, G; Chen, J; Zeng, W; Yu, C; Yi, C; Xu, Z*

*Facile Preparation of Uniform Nanocomposite Spheres with Loading Silver Nanoparticles on Polystyrene-Methyl Acrylic Acid Spheres for Catalytic Reduction of 4-Nitrophenol.* ***JOURNAL OF PHYSICAL CHEMISTRY C, 120(45):*** ***25935–25944 2016***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Zhai, S; Hu, EJ; Zhi, YY; Shen, Q*

*Fabrication of highly ordered porous superhydrophobic polystyrene films by electric breath figure and surface chemical modification.* ***COLLOIDS AND SURFACES A, 469: 294-299 2015***

1. *Lyutakov, O; Kalachyova, Y; Solovyev, A; Vytykacova, S; Svanda, J; Siegel, J; Ulbrich, P;Svorcik,V*

*One-step preparation of antimicrobial silver nanoparticles in polymer matrix*

***JOURNAL OF NANOPARTICLE RESEARCH, 17(3): 1-11 2015***

1. *Vatani, M*

*Additive manufacturing of stretchable tactile sensors: Processes, materials and applications*

***Doctoral dissertation,*** ***The Graduate Faculty of The University of Akron, 2015***

***https://etd.ohiolink.edu/!etd.send\_file?accession=akron1436202948&disposition=inline***

1. *Ulus, O*

*Polipropilen/modifiye diatomit ile hazırlanan kompozit filmlerin sentezi ve karakterizasyonu.*

***Thesis, Balıkesir Üniversity, Institute of Science Chemistry, 2015,*** [***http://hdl.handle.net/123456789/2697***](http://hdl.handle.net/123456789/2697)

1. *Guo, S*

*Solvent –cast three-dimensional printing of polyalactide multifunctional microsystems*

***Doctoral dissertation, DÉPARTEMENT DE GÉNIE MÉCANIQUE, ÉCOLE POLYTECHNIQUE DE MONTRÉAL, UNIVERSITÉ DE MONTRÉAL 2014,http://publications.polymtl.ca/1430/1/2014\_ShuangzhuangGuo.pdf***

**50.** Bogdanović, U; Lazić, V; **Vodnik, V**; Budimir, M; Marković, Z; Dimitrijević, S

*Copper nanoparticles with high antimicrobial activity,* **MATERIALS LETTERS, 128: 75-78 2014**

1. *Fan, L; Dong, Y;…&Li,G*

*The Antimicrobial Activity and Resistance Evolution of Nanomaterials: A Review*

***ACS MATERIALS LETTERS, 2025, DOI: 10.1021/acsmaterialslett.4c02113***

1. *Shandila, P; Mahatmanto, T; Hsu, JL*

*Metal-Based Nanoparticles as Nanopesticides: Opportunities and Challenges for Sustainable Crop Protection*

***PROCESSES 13(5):1278 2025***

1. *Yang, MM; Ma, JL;…& Niu, MF*

*The customized peptide-encoded antibacterial silver-gold nanoclusters,* ***NEW JOURNAL OF CHEMISTRY, 2025, DOI: 10.1039/D4NJ03106G***

1. *Amer, MMA; Mohamed, WSE;…& Ibrahim, AAA*

*Assessment of the Complemental and Synergistic Antibacterial Effects of Some Nanoparticles and Natural Materials with Antibiotics Against Methicillin-resistant Staphylococcus aureus (MRSA) Infection*

***BIONANOSCIENCE, 2025, DOI: 10.1007/s12668-025-01992-6***

1. *Атлам, АС; Талха, АТ;...Нахрањѕ, АМ*

*Enhanced structural, dielectric, and antibacterial properties of Sr(1−x)CuxO2 nanoparticles synthesized via sol–gel method*

***JOURNAL OF BASIC AND APPLIED SCIENCES, 2025, DOI: 10.1186/s43088-025-00611-3***

1. *Bahadur, GCR; Awasthi, GP;…& Joshi, MK*

*Low-Impact Nanocomposite Packaging: Cu@Nanocellulose-Fortified Chitosan/PVA/Honey Bioactive Film for Strawberry Preservation,* ***FOOD AND BIOPROCESS TECHNOLOGY, 2025, DOI: 10.1007/s11947-025-03922-6***

1. *Ebrahiminezhad, A; Sohrabi, S…& Berenjian, A*

*Effects of reaction composition on the physicochemical and antimicrobial properties of copper-based nanoparticles fabricated via precipitation reaction,* ***JOURNAL OF MATERIALS RESEARCH, 2025, DOI: 10.1557/s43578-025-01524-8***

1. *Rodrigues, P, Schmitt, C;…&Arruda MA*

*Hydrothermal Synthesis Methods for Copper Nanoparticles: A Mini-Review*

***BRAZILIAN JOURNAL OF ANALYTICAL CHEMISTRY, 2025, DOI: 10.30744/brjac.2179-3425.RV-132-2024***

1. *Thanee, K; Youngjan, S;…&Khemthong, P*

*Scalable and sustainable synthesis of activated carbon-supported nanosilver with sugar and starch as dual agents for disinfection and chloroform removal,* ***JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING 13(2):115526 2025***

1. *Zeng, A*

*Advances in Nanotechnology: Applications of Nanomaterials in Oral Dentistry*

***ADVANCES IN ENGINEERING TECHNOLOGY RESEARCH 13(1):1053 2025***

1. *Hekel, MA; Abbas, MHH;Abdelhafez, AA*

*Enhancing durum wheat growth and productivity in arid soils via seed irradiation with gamma rays and the foliar application of nano Cu,* ***APPLIED RADIATION AND ISOTOPES, 2025, DOI: 10.1016/j.apradiso.2025.111821***

1. *El-Sherbiny, GM; Shehata, ME; Kalaba, MH*

*Biogenic Copper and Copper Oxide Nanoparticles to Combat Multidrug-Resistant Staphylococcus aureus: Green Synthesis, Mechanisms, Resistance, and Future Perspectives****, BIOTECHNOLOGY REPORTS, 2025, DOI: 10.1016/j.btre.2025.e00896***

1. *Hataminejad, M; Nayeri, T;…% Esboei, BR*

*Biosynthesized Nanoparticles as Potential Drug Candidates for the Treatment of Cystic Echinococcosis: A Systematic Review*

***CURRENT NANOSCIENCE, 2025, DOI: 10.2174/0115734137341299250116152732***

1. *Khosravi, N, Alzufairi, A;…&* *Goudarzi, ZM*

*Biomedical applications of copper nanoparticles: an up-to-date overview,*

***JOURNAL OF COMPOSITES AND COMPOUNDS, 2024,* *https://doi.org/10.61186/jcc.6.4.1***

1. *Abdirad, N; Kamran‐Pirzaman, A*

*Procedure Optimization for Green Synthesis of Magnetic‐Copper Nanoparticles by Aqueous Alcea Medicinal Plant Extract and Their Photocatalytic Properties****, CHEMISTRYSELECT, 2024,DOI: 10.1002/slct.202302703***

1. *Chowdhury, AR; Kumar, R;…&Sarkar, B*

*Inhibitory role of copper and silver nanocomposite on important bacterial and fungal pathogens in rice (Oryza sativa)*

***SCIENTIFIC REPORTS, 2024, DOI: 10.1038/s41598-023-49918-0***

1. *Majeed, H; Ahmad, K;…&Bhatti, HN*

*Tamarindus indica seed polysaccharide-copper nanocomposite: An innovative solution for green environment and antimicrobial studies****, HELIYON 10(10), 2024, DOI: 10.1016/j.heliyon.2024.e30927***

1. *Sarangi, PL; Panda, SS;…& Mohanty, SP*

*Investigation on the Antimicrobial Activity of Cu-TiO2 Nanocomposites Synthesized by a Facile Approach*

***NEXT RESEARCH, 2024, DOI: 10.1016/j.nexres.2024.100114***

1. *Usman, М; Таng, YR;...&Wang, L*

*Overview of nanoparticles for the rapid diagnosis and effective treatment of bacterial pathogens in clinical settings*

***PHYSICA SCRIPTA, 2024, DOI: 10.1088/1402-4896/ad4b66***

1. *Ravichandran, R: Annamalai, A;…& Elumalai, S*

*Hand-Crafted Potent Hydroxyl-rich Husk Succoured Fe3O4 @ Cu, Mn, Ni, Co –Tetra-metallic Heterogenous Nanocomposite as Catalytic Accelerant,* ***NANOSCALE, 2024, DOI: 10.1039/D4NR01211A***

1. *Luo, W; Qi, K;…& Guo, X*

*Silver nanoparticles composited co-dopped polypyrrole/zinc coating for enhancing anti-corrosion and antibacterial properties of ZK60 magnesium alloy in Hank’s solution,* ***APPLIED SURFACE SCIENCE 669:160521 2024***

1. *Alimardani, Y; Mirzakhani, E;…& Sadeghi, N*

*Prospective and applications of bacterial nanocellulose in dentistry*

***CELLULOSE, 2024, DOI: 10.1007/s10570-024-06098-y***

1. *Tijani, NA; Hokello, J…& Adebayo, IA*

*Metallic nanoparticles: a promising novel therapeutic tool against antimicrobial resistance and spread of superbugs*

***BIOMETALS, 2024, DOI: 10.1007/s10534-024-00647-5***

1. *Nikanjam, S; Yeganegi,A;…& Hasanzade, R*

*Novel antimicrobial applications of copper oxide nanoparticles after combination with tissue conditioner used in complete prostheses,* ***BMC ORAL HEALTH, 2024, DOI: 10.1186/s12903-024-04534-w***

1. *Okaiyeto, K, Gigliobianco, MR;Martino, PD*

*Biogenic Zinc Oxide Nanoparticles as a Promising Antibacterial Agent: Synthesis and Characterization*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 25(17):9500 2024***

1. *Assis, M; Santos, J,…& Andres, J*

*Enhanced Antimicrobial Activity of Cu-Decorated Graphene Nanoplatelets and Carbon Nanotubes*

***SURFACES AND INTERFACES, 2024, DOI: 10.1016/j.surfin.2024.105074***

1. *Bahadur, GCR; Awasthi, GP;…& Joshi, MK*

*Nanocellulose from Mankamana-3 corncob biomass: Synthesis, characterization, surface modification and potential applications*

***BIORESOURCE TECHNOLOGY REPORTS 28(17):101971 2024***

1. *Kumar, A, Sonkaria, S; Khare, V*

*Role of irradiation in antimicrobial nanoparticles and nanocomposite material synthesis*

***In book: Food Packaging and Preservation, 2024,* *DOI: 10.1016/B978-0-323-90044-7.00010-0***

1. *Lai, MJ; Huang, YW;…& Liu, BR*

*Programmed cell death: the primary bactericidal mechanism induced by copper nanoparticles*

***In book: Various Uses of Copper Material, 2024, DOI: 10.5772/intechopen.1005572***

1. *El-Abeid, SE; Mosa, MA;…& Haridy, MS*

*Antifungal activity of copper oxide nanoparticles derived from Zizyphus spina leaf extract against Fusarium root rot disease in tomato plants****. JOURNAL OF NANOBIOTECHNOLOGY, 22(1): P.28 2024***

1. *Sayah, I; Gervasi, C;…& Gervasi T*

*Fermentation Techniques and Biotechnological Applications of Modified Bacterial Cellulose: An Up-to-Date Overview*

***FERMENTATION, 2024, DOI: 10.3390/fermentation10020100***

1. *Vodyashkin, A; Stoinova, A;Kezimana, P*

*Promising biomedical systems based on copper nanoparticles: Synthesis, Characterization, and Applications,*

***COLLOIDS AND SURFACES B: BIOINTERFACES, 2024 doi:https://doi.org/10.1016/j.colsurfb.2024.113861***

1. *Shumbula, NP; Ndala, ZB;…&Mlambo*

*Dopamine capped silver/copper bimetallic elongated nanoparticles and their potential application in wound healing*

***NEXT NANOTECHNOLOGY 6(8):100077 2024***

1. *Barbosa, JR; Santos, ASG;… & Soares, OSG*

*Carbon-based materials for water disinfection and heavy metals removal.* ***Environmental Technology, 45(9), 1810-1828******2024***

1. *Vashistha, VK; Bala, R;…& Pullabhotla, RV*

*Transition Metal Nanoparticles As Promising Antimicrobial Agents.* ***SURFACE REVIEW AND LETTERS, 31(04): 1-23******2024***

1. *Rehman, A*

*A Short Overview on Preparation of Different Metal Oxide Nanoparticle by Using Different Techniques.*

***ICONTECH INTERNATIONAL JOURNAL,2024, https://orcid.org/0000-0002-5787-3289***

1. *Sportelli, MC; Picca, RA;…& Cioffi, N*

*Green synthesis and analytical characterization of core‐shell copper sub‐microparticles.*

***CHEMISTRY–A EUROPEAN JOURNAL, 2023, https://doi.org/10.1002/chem.202203510***

1. *Brar, B; Marwaha, S;…& Rajput, VD*

*Nanotechnology: a contemporary therapeutic approach in combating infections from multidrug-resistant bacteria*

***ARCHIVES OF MICROBIOLOGY, 2023, DOI: 10.1007/s00203-023-03404-3***

1. *Fayadoglu, M; Fayadoglu, E;… & Koparal, AS*

*Determination of biological activities of nanoparticles containing silver and copper in water disinfection with/without ultrasound technique.* ***JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, 21(1): 73-83 2023***

1. *Salvo, J; Sandoval, C;…& del Sol, M*

*Healing Effect of a Nano- Functionalized Medical-Grade Honey for the Treatment of Infected Wounds Special Issue Polymer-Based Wound Dressings Healing Effect of a Nano-Functionalized Medical-Grade Honey for the Treatment of Infected Wounds*

***PHARMACEUTICS 15(9):2187 2023***

1. *Jose, JK; Cherian, CT; Balachandran, M*

*A Review on Advanced Nanomaterials for Antibacterial Applications*

***CURRENT NANOSCIENCE, 2023, DOI: 10.2174/1573413719666230120103335***

1. *Khan, MF; Khan, MA*

*Plant-Derived Metal Nanoparticles (PDMNPs): Synthesis, Characterization, and Oxidative Stress-Mediated Therapeutic Actions*

***FUTURE PHARMACOLOGY, 3(1): 252-295 2023***

1. *Baghi, F; Ghnimi, S,…&* *Gharsallaoui, A*

*Nanoemulsion-Based Multilayer Films for Ground Beef Preservation: Antimicrobial Activity and Physicochemical Properties*

***MOLECULES 28(11):4274 2023***

1. *Luque-Jacobo, CM; Caspedes-Loayza, AL;…&Goyzueta-Mamani, LD*

*Biogenic Synthesis of Copper Nanoparticles: A Systematic Review of Their Features and Main Applications*

***MOLECULES 28(12):4838 2023***

1. *Vashistha, VK; Gautam, S;…&Das, DK*

*Transition Metal-Based Nanoparticles as Potential Antimicrobial Agents*

***REVIEWS AND ADVANCES IN CHEMISTRY, 12: 222–247 2023***

1. *Balaji, T; Manushankar, CM;…&, Govindarajan, M*

*Padina boergesenii-Mediated Copper Oxide Nanoparticles Synthesis, with Their Antibacterial and Anticancer Potential.****BIOMEDICINES, 11(8), P.2285 2023***

1. *Corbu, VM; Dumbrava, AS;…&Chifriuc, MC*

*Alternative mitigating solutions based on inorganic nanoparticles for the preservation of cultural heritage*

***FRONTIERS IN MATERIALS, 2023, DOI: 10.3389/fmats.2023.1272869***

1. *Han, HS; Jung, JS;…&Choi, KC*

*Biological Synthesis of Copper Nanoparticles Using Edible Plant Allium monanthum: Characterization of Antibacterial, Antioxidant, and Anti-Inflammatory Properties Using In Silico Molecular Docking Analysis,* ***MATERIALS 16(20):6669 2023***

1. *Balu, SK; Andra, S;…& Danquah, MK*

*Exploring the potential of metal oxide nanoparticles as fungicides and plant nutrient boosters*

***CROP PROTECTION, 2023, DOI: 10.1016/J.CROPRO.2023.106398***

1. *Vashistha, VK; Bala, R;…&Pullabhotla, R*

*Transition metal Nanoparticles as Promising Antimicrobial Agents*

***SURFACE REVIEW AND LETTERS, 2023, DOI: 10.1142/S0218625X24300041***

1. *Hemmat, MA; Asghari. S;…&* *Mahmoudifard, M*

*Copper Iodide Decorated Graphene Oxide as a Highly Efficient Antibacterial and Antiviral Nanocomposite*

***INORGANIC CHEMISTRY COMMUNICATIONS, 156: 111214 2023***

1. *Valadbeigi, М;* *Mahmoudifard, М;...&* *Mehrabian, С*

*Study on the antibacterial effect of CuO nanoparticles on Klebsiella pneumonia bacteria: Efficient treatment for colorectal cancer*

***BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, 2023, DOI: 10.1002/bab.2481***

1. *Stephen, A; Sai, SRM;…&Arjun, S*

*Green Synthesis and Bioactivity of Copper Nanoparticles from Asparagus aethiopicus and Asparagus densiflorus*

***JOURNAL OF PURE AND APPLIED MICROBIOLOGY, 2023, DOI: 10.22207/JPAM.17.2.35***

1. *Rawangkan, A; Yosboonruang, A:…&* *Duangjai, A*

*Restoring Ampicillin Sensitivity in Multidrug-Resistant Escherichia coli Following Treatment in Combination with Coffee Pulp Extracts,* ***JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY 33(9):1-10 2023***

1. *Tyagi, PK, Arya, A,...Tyagi, S*

*Development of copper nanoparticles and their prospective uses as antioxidants, antimicrobials, anticancer agents in the pharmaceutical sector,* ***PRECISION NANOMEDICINE, 2023, DOI: 10.33218/001c.83932***

1. *Gautam, S; Das, DK;…& Gupta, RK*

*Transition metal-based nanoparticles as potential antimicrobial agents: recent advancements, mechanistic, challenges, and future prospects,* ***DISCOVER NANO, 2023, DOI: 10.1186/s11671-023-03861-1***

1. *Raja, FNS; Worthington, T; Martin, RA*

*The antimicrobial efficacy of copper, cobalt, zinc and silver nanoparticles: alone and in combination.*

***BIOMEDICAL MATERIALS, 2023, DOI: 10.1088/1748-605X/acd03f***

1. *Li, K; Ma, JL;…& Zhao, L*

*Facile carbon-silver nanocomposites based on polysaccharide-derived carbon dots for antibacterial applications*

***NEW JOURNAL OF CHEMISTRY, 2023 DOI: 10.1039/D2NJ05915K***

1. *Dubadi, R; Huang, SD; Jaroniec, M*

*Mechanochemical Synthesis of Nanoparticles for Potential Antimicrobial Applications,****MATERIALS 16(4):1460 2023***

1. *Rabia, E; Tuga, B;…&Sunasee, R*

*Carboxylated Cellulose Nanocrystals Decorated with Varying Molecular Weights of Poly(diallyldimethylammonium chloride) as Sustainable Antibacterial Agents,* ***POLYMERS 15(4):865******2023***

1. *Liu, J; Xiao, Y;…& Liu, YG*

*The Inhibition Effect and Mechanism of Nano Magnesium Peroxide Against Spoilage Fungi Emerging in Hami Melon*

***FOOD AND BIOPROCESS TECHNOLOGY, 2023, DOI: 10.1007/s11947-023-03052-x***

1. *Karimi, M; Sadeghi, E; Zahedifar, M*

*Tin oxide nanoparticles: Green synthesis, recognition and application in the treatment of cancer.*

***JOURNAL OF LASERS IN MEDICINE, 19(3), 11-20 2023***

1. *Ramachandran, K; Gaidi, M…& Hammouche, J*

*Fabrication of noble metal–based antimicrobial nanosystems*

***In book: Antimicrobial Nanosystems, 2023, DOI: 10.1016/B978-0-323-91156-6.00023-3***

1. *Adetunji, CO; Egbuna, C;…& Ajayi, OO*

*Biogenic nanomaterials with diverse biological activities in the food and biomedical industries*

***In book: Evaporative Coolers for the Postharvest Management of Fruits and Vegetables, 2023, DOI: 10.1016/B978-0-323-89864-5.00001-1***

1. *Rana, D; Salave, S;…Benival, D*

*Nanomedicines for the Treatment of Systemic Candidiasis*

***In book: Nanomedicines for the Prevention and Treatment of Infectious Diseases, 2023, DOI: 10.1007/978-3-031-39020-3\_4***

1. *Acevedo-León, D; Ossa-Orozco, CP; Torres-López, AM*

*Evaluación de protocolos de síntesis de nanopartículas de cobre u óxidos de cobre.*

***INGENIERÍA, 28(2), pp.e19067-e19067 2023***

1. *Dubadi, R*

*Mechanochemically Synthesized Alumina-Based Mesoporous Materials for Antimicrobial, Adsorption, and Catalytic Applications*

***Doctoral thesis, Kent State University, 2023, https://www.proquest.com/openview/2716a011e1f0bc647e6635d859914820/1?pq-origsite=gscholar&cbl=18750&diss=y***

1. *Poonguzhali, G; Noorjahan, CM; Keerthana, S*

*Biosynthesis of Copper Nanoparticles Using Chitosan Extracted from Prawn Shells, Characterization and Antimicrobial Activity*

***ASIAN JOURNAL OF BIOLOGICAL AND LIFE SCIENCES, 11(3):737-744 2022***

1. *Zhang, S; Lu, J;…&Guo, J*

*Insights of metallic nanoparticles and ions in accelerating the bacterial uptake of antibiotic resistance genes*

***JOURNAL OF HAZARDOUS MATERIALS 421(1-2):126728 2022***

1. *Sharma, P; Goyal, D; Chudasama, B*

*Antibacterial Activity of Colloidal Copper Nanoparticles against Gram‐negative ( Escherichia coli and Proteus vulgaris ) Bacteria,* ***LETTERS IN APPLIED MICROBIOLOGY, 2022. DOI: 10.1111/lam.13655***

1. *Barbosa, JRM; Santos, ASGG;…& Soares, OSGP*

*Carbon based materials for water disinfection and heavy metals removal*

***ENVIRONMENTAL TECHNOLOGY, 2022 DOI: 10.1080/09593330.2022.2154173***

1. *Ballesteros, LF; Lamsaf, H…&Teixeira, JA*

*Active Packaging Systems Based on Metal and Metal Oxide Nanoparticles*

***In book: Nanotechnology‐Enhanced Food Packaging, 2022, DOI: 10.1002/9783527827718.ch7***

1. *Romero-Resendiz, L;Tahawy, ME;…&Zhu, YT*

*Heterostructured stainless steel: Properties, current trends, and future perspectives*

***MATERIALS SCIENCE AND ENGINEERING R REPORTS, 2022, DOI: 10.1016/j.mser.2022.100691***

1. *Chopra, H; Kumar, S…&Emran, TB*

*Wound dressings: Recent updates,* ***INTERNATIONAL JOURNAL OF SURGERY (London, England) 104:106793 2022***

1. *Shabatina, T; Vernaya, O;…&Melnikov, M*

*Nanoparticles of Bioactive Metals/Metal Oxides and Their Nanocomposites with Antibacterial Drugs for Biomedical Applications*

***MATERIALS 15(10):3602 2022***

1. *Smith, JL; Tran, N,…&Qian, M*

*Robust bulk micro-nano hierarchical copper structures possessing exceptional bactericidal efficacy*

***BIOMATERIALS, 280: 121271 2022***

1. *Marzban, A; Mirzaei, SZ;… & Danesh, A*

*Biogenesis of copper nanoparticles assisted with seaweed polysaccharide with antibacterial and antibiofilm properties against methicillin-resistant Staphylococcus aureus.* ***Journal of drug delivery science and technology, 74:103499 2022***

1. *Awassa, J; Cornu, D;… & El-Kirat-Chatel, S*

*Direct contact, dissolution and generation of reactive oxygen species: How to optimize the antibacterial effects of layered double hydroxides.* ***COLLOIDS AND SURFACES B: BIOINTERFACES, 217: 112623 2022***

1. *Stamer, KS; Pigaleva, MA; ... & Gallyamov, MO*

*Water Saturated with Pressurized CO2 as a Tool to Create Various 3D Morphologies of Composites Based on Chitosan and Copper Nanoparticles.* ***MOLECULES, 27(21): 7261 2022***

1. *Ma, JL; Li, K; ... & Li, X*

*Antimicrobial carbon-dot-stabilized silver nanoparticles.*

***NEW JOURNAL OF CHEMISTRY, 2022,https://doi.org/10.1039/D1NJ05798G***

1. *Ma, J; Li, K; Gu, S*

*Selective strategies for antibacterial regulation of nanomaterials.* ***RSC ADVANCES, 12(8), 4852-4864 2022***

1. *Vidakis, Н; Petousis, М; Vassilis M;...&Mountakis, N*

*Multifunctional Medical Grade Resin with Enhanced Mechanical and Antibacterial Properties: The Effect of Copper Nano-Inclusions in Vat Polymerization (VPP) Additive Manufacturing,*

***JOURNAL OF FUNCTIONAL BIOMATERIALS, 2022, DOI: 10.3390/jfb13040258***

1. *Machry, K.; de Souza, CW;… & Bernardo, A*

*Prevention of pathogen microorganisms at indoor air ventilation system using synthesized copper nanoparticles.*

***THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, 100(8): 1739-1746 2022***

1. *Chen, L; Wu, Y;…&Chen, Y*

*Enhancement of hexavalent chromium reduction by Shewanella oneidensis MR-1 in presence of copper nanoparticles via stimulating bacterial extracellular electron transfer and environmental adaptability’****Bioresource technology 361(5):127686 2022***

1. *Machry, K; Aguiar, ML;…&Bernardo, A*

*Modification of polyester filters with synthesized copper nanoparticles for use as biocide in a real environment*

***APPLIED NANOSCIENCE, 2022, DOI: 10.1007/S13204-022-02595-3***

1. *Bytešníková, Z; Pečenka, J;…&Richtera. L*

*Reduced graphene oxide-based nanometal-composite containing copper and silver nanoparticles protect tomato and pepper against Xanthomonas euvesicatoria infection,*

***CHEMICAL AND BIOLOGICAL TECHNOLOGIES IN AGRICULTURE, 2022, DOI: 10.1186/s40538-022-00347-7***

1. *Hurtado, RB; Delgado-Beleno, Y;…&Flores-Acosta, M*

*Biosynthesis and antibacterial activity of Cu and CuO nanoparticles against pathogenic microorganisms*

***In book: Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems, 2022, DOI: 10.1016/B978-0-12-823833-2.00013-1***

1. *Elbagory,A; Rahman, A;…& Hussein, AA*

*Clove (Syzygium aromaticum)-mediated metallic nanoparticles: Synthesis, characterization, and possible pharmacological and industrial applications****, In book: Clove ( Syzygium Aromaticum), 2022, DOI: 10.1016/B978-0-323-85177-0.00011-2***

1. *Laourari, I; Lakhdari, N; ... & Lakhdari, D*

*Antimicrobial and antifungal properties of NiCu-PANI/PVA quaternary nanocomposite synthesized by chemical oxidative polymerization of polyaniline,* ***CHEMOSPHERE, 291, 132696 2022***

1. *Trivedi, R; Upadhyay, TK;…& Aqil, F.*

*Nanotechnological interventions of the microbiome as a next-generation antimicrobial therapy.*

***SCIENCE OF THE TOTAL ENVIRONMENT, 2022, https://doi.org/10.1016/j.scitotenv.2022.155085***

1. *Chopra, H; Kumar, S;… & Emran, TB*

*Wound dressings: Recent updates****. INTERNATIONAL JOURNAL OF SURGERY (London, England), 104: 106793 2022***

1. *Wang, YG; Li, HY;…& Li, Z*

*Review of copper and copper alloys as immune and antibacterial element*

***TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, 32(10):3163-3181 2022***

1. *Fayadoglu, M; Fayadoglu, E;…&Koporal, AS*

*Determination of biological activities of nanoparticles containing silver and copper in water disinfection with/without ultrasound technique,* ***Journal of Environmental Health Science and Engineering, 2022, DOI: 10.1007/s40201-022-00839-6***

1. *Krupa, K.A. and Braydich, L.K*

*Nanometal Toxicology: Immune or Not Immune, That is the Question.*

***In World Scientific Reference on Plasmonic Nanomaterials: Principles, Design and Bio-applications, 4: 101-134 2022***

1. *Tseng, KHT; Huang, CH;…&Stobinski, L*

*Parameter configuration of the electrical spark discharge method for preparing graphene copper nanocomposite colloids and the analysis of product characteristics,* ***RSC ADVANCES 12(21):12978-12982 2022***

1. *Kahali, P; Montazer, M;Dolatabadi, MK*

*Sustainable copper oxide/Tragacanth gum bionanocomposites with multi‐purpose catalytic activities on textile*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2022, DOI: 10.1002/app.52781***

1. *Calderón, CM; Lara, LJDS;… & Navarro, MLR*

*Las nanopartículas de cobre como agente antimicrobial. Revisión de la Literatura.*

***Directorio Revista ADM Estudiantil, p. 13-20, 2022*** ***https://www.researchgate.net/profile/Gerardo-Meza-Garcia/publication/361316469\_Carcinoma\_de\_seno\_maxilar\_y\_antrolito\_Reporte\_de\_un\_caso/links/62aa3168a920e8693ef65278/Carcinoma-de-seno-maxilar-y-antrolito-Reporte-de-un-caso.pdf#page=14***

1. *Chowdhury, AR; Kumar, R; ... & Sarkar, B*

*Deciphering the molecular insight behind the inhibitory role of copper and silver nanocomposite on important bacterial and fungal pathogens in rice (oryza sativa).* ***Word Journal of microbiology and biotechnology, 2022, DOI: https://doi.org/10.21203/rs.3.rs-2099113/v1***

1. *Maranan, SMS; Borja, AJB;… & Cruz, JR*

*A Systematic Review on the Synthesis and Mechanisms of Silver and Copper Nanoparticles against Staphylococcus aureus.*

***ASIAN JOURNAL OF BIOLOGICAL AND LIFE SCIENCES, 11(2): 605 2022***

1. *Usmania, S*

*Sintesis nanopartikel emas menggunakan bioreduktor ekstrak air daun pegagan (Centella asiatica L.)*

***Doctoral dissertation, Universitas Islam Negeri, 2022, http://etheses.uin-malang.ac.id/id/eprint/38026***

1. *Naqvi, SS; Anwer, H;…&Hashim, S*

*Novel Synthesis of Maltol Capped Copper Nanoparticles and Their Synergistic Antibacterial Activity with Antibiotics*

***PLASMONICS, 2021, DOI: 10.1007/s11468-021-01452-3***

1. *Vijayakumar, G, Kesavan, H;…&* *Rangarajulu, SK*

*Phytosynthesis of Copper Nanoparticles Using Extracts of Spices and Their Antibacterial Properties*

***PROCESSES 9(8):1341 2021, DOI: 10.3390/pr9081341***

1. *Talib, A; Manzoor, KN;… & Khan, AA*

*Biogenic Copper Nanoparticles as a Nanoscale Solution to Address Multiple Drug Resistance in Bacteria.*

***PAKISTAN J. ZOOL., pp 1-8, 2021, DOI: https://dx.doi.org/10.17582/journal.pjz/20191115101110***

1. *Wicher, RD; Paleczny, J…&Bartoszewicz, M*

*Modifications of bacterial cellulose in wound care,* ***POLIMERY W MEDYCYNIE, 2021, DOI: 10.17219/pim/143330***

1. *Netto, MS; Oliveira, JS; Salau, NP; Dotto, GL*

*Analysis of adsorption isotherms of Ag+, Co+ 2, and Cu+ 2 onto zeolites using computational intelligence models.*

***JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 9(1): 104960 2021***

1. *Pugazhendhi, A; Vasantharaj, ;…& Brindhadevi, K*

*Organic and inorganic nanomaterial coatings for the prevention of microbial growth and infections on biotic and abiotic surfaces.* ***SURFACE AND COATINGS TECHNOLOGY, 425: 127739 2021***

1. *Sampaio, S; Viana, JC*

*Optimisation of the green synthesis of Cu/Cu2O particles for maximum yield production and reduced oxidation for electronic applications,* ***MATERIALS SCIENCE AND ENGINEERING B 263:11480, 2021, 7DOI: 10.1016/j.mseb.2020.114807***

1. *Chen See, J; Ly,T;…&Lamendella, R*

*A Metatranscriptomics Survey of Microbial Diversity on Surfaces Post-Intervention of cleanSURFACES® Technology in an Intensive Care Unit.****FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY, 2021, doi: 10.3389/fcimb.2021.705593***

1. *Khorsandi, K; Hosseinzadeh, R;… & Ur Rahman, S*

*Nanomaterials as drug delivery systems with antibacterial properties: current trends and future priorities.*

***EXPERT REVIEW OF ANTI-INFECTIVE THERAPY, 2021,*** ***https://doi.org/10.1080/14787210.2021.1908125***

1. *Glover, RLK; Nyanganyura, D:…&Mufamadi, MS*

*Green Synthesis in Nanomedicine and Human Health,****CRC PRESS, BOOK, 2021, DOI: 10.1201/9781003023197***

1. *de Oliveira, AE; Machry, K;… & Aguiar, ML*

*Physical Barrier against COVID-19: Materials to Inhibit or Eliminate the Virus.*

***In book: Living with Covid-19: Economics, Ethics, and Environmental Issues, eBook ISBN:9781003168287, 255, p.35, 2021***

1. *Shaheen, TI; Fouda, A; Salem, SS*

*Integration of Cotton Fabrics with Biosynthesized CuO Nanoparticles for Bactericidal Activity in the Terms of Their Cytotoxicity Assessment* ***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 2021,*** ***https://doi.org/10.1021/acs.iecr.0c04880***

1. *Nahrawy, AME; Hammad, B; Youssef, AM…&Hemdan, ABA*

*Sol-gel preparation of bioactive nanoporous (Al2O3: CuO: SiO2): dielectric properties and wastewater decontamination,* ***INTERNATIONAL JOURNAL OF MATERIALS ENGINEERING INNOVATION, 2021, doi: 10.1504/ijmatei.2021.10035707***

1. *Vinu, D., Govindaraju, K., Vasantharaja, R., Nisa, S. A., Kannan, M., & Anand, K. V*

*Biogenic zinc oxide, copper oxide and selenium nanoparticles: preparation, characterization and their anti-bacterial activity against Vibrio parahaemolyticus.****JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, 11(2):271-286 2021***

1. *Yusuf, A; Al Jitan, S; Garlisi, C; Palmisano, G*

*A review of recent and emerging antimicrobial nanomaterials in wastewater treatment applications.*

***CHEMOSPHERE, 278: 130440 2021***

1. *Iqbal, MF; Ahmed, I; Hussain, M; Asghar, M*

*Impact of copper sulphate for the management of bacterial leaf blight in transplanted rice.*

***INT. J. ADV. RES. BIOL. SCI, 8(10): 10-15 2021***

1. *Laourari, I; Lakhdari, N.;…&Golzadeh, N*

*Antimicrobial and antifungal properties of NiCu-PANI/PVA quaternary nanocomposite synthesized by chemical oxidative polymerization of polyaniline,* ***CHEMOSPHERE,* *2021,* *DOI: 10.1016/j.chemosphere.2021.132696***

1. *Ngoepe, MP; Mufamadi, MS*

*Bioengineering of Inorganic Nanoparticle Using Plant Materials to Fight Extensively Drug-Resistant Tuberculosis.*

***In book:* *Green Synthesis in Nanomedicine and Human Health, 2021, ISBN:9781003023197***

1. *Liu, W., Tao, Z;… & Dong, A*

*Immobilization of Cu (II) via a graphene oxide-supported strategy for antibacterial reutilization with long-term efficacy.* ***JOURNAL OF HAZARDOUS MATERIALS, 410: 124601 2021***

1. *Mba, IE; Nweze, EI*

*Nanoparticles as therapeutic options for treating multidrug-resistant bacteria: research progress, challenges, and prospects,* ***WORLD JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, 37(6):1-30 2021***

1. *Yocupicio-Gaxiola, RI; Petranovskii, V;…& Murrieta-Rico, FN*

*Prospects for Further Development of Face Masks to Minimize Pandemics Functionalization of Textile Materials with Biocide Inorganic Nanoparticles: A Review.* ***IEEE LATIN AMERICA TRANSACTIONS, 19(6), 1010-1023 2021***

1. *EL-Ghwas DE; Elkhateeb WA;, Akram M; Daba GM*

*Nanoparticles: Characterization, Biological Synthesis and Applications*

***JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, 2021, 10.23880/oajmb-16000196***

1. *Machry, K; de Souza, CW;…& Bernardo, A*

*Prevention of pathogen microorganisms at indoor air ventilation system using synthesized copper nanoparticles.*

***THE CANADIAN JOURNAL OF CHEMICAL ENGINEERING, 2021, https://doi.org/10.1002/cjce.24272***

1. *Bohorquez, MC; Chapa, JL;.& Caballero, RT*

*Use of filters and special materials in classrooms, based on the assessment of the presence of CO2 as an indicator of Covid reduction and control in closed spaces.* ***BUILDING & MANAGEMENT, 5(3), 51-62 2021***

1. *Wong-Pinto, LS; Mercado, A;…&Ordonez, JI*

*Biosynthesis of copper nanoparticles from copper tailings ore – An approach to the 'Bionanomining*

***JOURNAL OF CLEANER PRODUCTION, 2021, DOI: 10.1016/j.jclepro.2021.128107***

1. *Peddi,P; Rao, P;…&Tulasi, LS*

*Green synthesis, characterization, antioxidant, antibacterial, and photocatalytic activity of Suaeda maritima (L.) Dumort aqueous extract-mediated copper oxide nanoparticles*

***JOURNAL OF GENETIC ENGINEERING AND BIOTECHNOLOGY, 19: 131 2021***

1. *Rutkowska-Gorczyca, M.*

*X-ray diffraction and microstructural analysis of Cu–TiO2 layers deposited by cold spray.*

***MATERIALS SCIENCE AND TECHNOLOGY, 37(7), 711-715 2021***

1. *Jardón-Maximino, N; Pérez-Alvarez, M;… & Barriga-Castro, ED*

*Synthesis of Copper Nanoparticles Stabilized with Organic Ligands and Their Antimicrobial Properties.*

***POLYMERS, 13(17): 2846 2021***

1. *Monouras, T; Platania, V;…& Vamvakaki, M*

*Responsive Quaternized PDMAEMA Copolymers with Antimicrobial Action,* ***POLYMERS 13(18):3051 2021***

1. *de Oliveira, AE; Machry, K;… & Aguiar, ML*

*Physical Barrier against COVID-19: Materials to Inhibit or Eliminate the Virus.*

***Living with Covid-19: Economics, Ethics, and Environmental Issues.* *Jenny Stanford Publishing, ISBN 978-1-003-16828-7, 255, 2021, https://ug1lib.org/book/17419695/5ca44d?id=17419695&secret=5ca44d***

1. *Riaz, A; Yousaf, A;…& Khan, A*

*Emergence of antimicrobial resistance and interaction between humans, animals and environment*

***In Antimicrobial resistance, SECTION B: BACTERIAL DISEASES, 2021, 10.47278/book.vpph/2021.028***

1. *Smith, JL; Tran, N;…&Qian, M*

*Robust bulk micro-nano hierarchical copper structures possessing exceptional bactericidal efficacy*

***BIOMATERIALS, 2021, DOI: 10.1016/j.biomaterials.2021.121271***

1. *Sani, SK, Farzin, H;…&Amiri, M*

*The Inhibitory Effect of Nanocomplex of Ganoderma and Silver Fungus Extract on Biofilms of Bacteria that Cause Nosocomial Infections,* ***NEW FINDING IN VETERINARY MICROBIOLOGY, 3(2): 137-144 2021***

1. *Adam, RZ; Ismail;…&Hussein, AA*

*Green Nanoparticles: An alternative therapy for Oral Candidiasis.*

***In book: Green Synthesis in Nanomedicine and Human Health, 2020, DOI: 10.1201/9781003023197-5***

1. *Dagar, G; Bagchi, G*

*Nanoparticles as Potential Endocrine Disruptive Chemicals*

***In book: NanoBioMedicine, 2020, DOI: 10.1007/978-981-32-9898-9\_17***

1. *Razavi, R; Molaei, R;…. & Yordshahi, AS,*

*Biosynthesis of metallic nanoparticles using mulberry fruit (Morus alba L.) extract for the preparation of antimicrobial nanocellulose film.****APPLIED NANOSCIENCE, 10(2):465-476 2020***

1. *Sayed, MTE; El-Sayed, AS*

*Biocidal Activity of Metal Nanoparticles Synthesized by Fusarium solani against Multidrug-Resistant Bacteria and Mycotoxigenic Fungi.* ***JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, 30(2), 226-236 2020***

1. *Netto, MS; Oliveira, JS; Salau, NP; Dotto, GL*

*Analysis of adsorption isotherms of Ag+, Co+ 2, and Cu+ 2 onto zeolites using computational intelligence models.*

***JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 2020, https://doi.org/10.1016/j.jece.2020.104960***

1. *Liu, W; Tao, Z; Wang, D;… & Dong, A*

*Immobilization of Cu (II) via a graphene oxide-supported strategy for antibacterial reutilization with long-term efficacy.****JOURNAL OF HAZARDOUS MATERIALS, 2020, https://doi.org/10.1016/j.jhazmat.2020.124601***

1. *Javid, A; Kumar, M; Yoon, S; Lee, JH; Han, J G*

*Synergistic enhancement of antibacterial activity of Cu: C nanocomposites through plasma induced microstructural engineering.****APPLIED SURFACE SCIENCE,******2020, https://doi.org/10.1016/j.apsusc.2019.143996***

1. *Staron, A; Dlugosz, O;…& Banach, M*

*Analysis of the Exposure of Organisms to the Action of Nanomaterials****MATERIALS 13(2):349 2020, DOI: 10.3390/ma13020349***

1. *Święch, D; Paluszkiewicz, C;… & Kwiatek, WM*

*Micro-and Nanoscale Spectroscopic Investigations of Threonine Influence on the Corrosion Process of the Modified Fe Surface by Cu Nanoparticles.****MATERIALS, 13(20):4482 2020, https://doi.org/10.3390/ma13204482***

1. *Yaqub, A;Malkani, N;….Ullah,R*

*Novel Biosynthesis of Copper Nanoparticles Using Zingiber and Allium sp. with Synergic Effect of Doxycycline for Anticancer and Bactericidal Activity,* ***CURRENT MICROBIOLOGY, 2020, DOI: 10.1007/s00284-020-02058-4***

1. *Sabira, FS; Kasabe, AM;… & Adhyapak, P*

*Selective antifungal and antibacterial activities of Ag-Cu and Cu-Ag core-shell nanostructures synthesized in-situ PVA.*

***NANOTECHNOLOGY, 2020, https://iopscience.iop.org/article/10.1088/1361-6528/ab9da5/pdf***

1. *Vidović, N; Vidović, S*

*Antimicrobial Resistance and Food Animals: Influence of Livestock Environment on the Emergence and Dissemination of Antimicrobial Resistance,* ***ANTIBIOTICS 2020, 9(2): 52 2020, DOI: 10.3390/antibiotics9020052***

1. *Dong, H, Xiong, R;…&Cao, Y*

*Development of glycine-copper( ii ) hydroxide nanoparticles with improved biosafety for sustainable plant disease management,* ***RSC ADVANCES 10(36):21222-21227 2020***

1. *Budimir, M; Szunerits, S; Markovic, Z; Boukherroub, R*

*Nanoscale materials for the treatment of water contaminated by bacteria and viruses.* ***In Nanomaterials for Sustainable Energy and Environmental Remediation, Materials Today, 261-305 2020, https://doi.org/10.1016/B978-0-12-819355-6.00009-1***

1. *Srivastrava, N; Saxena, SK*

*Opportunities in Clinical Translation and Commercialization of Nanomedicine*

***In book: NanoBioMedicine, 2020, DOI: 10.1007/978-981-32-9898-9\_22***

1. *Sangave. PC;Matkar, NM; Suvarna, V*

*Antimicrobial Activity of Metallic Nanoparticles Using Prokaryotic Model Organisms,****In book: Model Organisms to Study Biological Activities and Toxicity of Nanoparticles. 2020, DOI: 10.1007/978-981-15-1702-0\_4***

1. *Rutkowska-Gorczyca, M*

*X-ray diffraction and microstructural analysis of Cu–TiO 2 layers deposited by cold spray*

***MATERIALS SCIENCE AND TECHNOLOGY, 2020, DOI: 10.1080/02670836.2020.1738069***

1. *Al-Tayyar, NA; Youssef, AM; Al-Hindi, R*

*Antimicrobial food packaging based on sustainable Bio-based materials for reducing foodborne Pathogens: A review.*

***FOOD CHEMISTRY, 310, 125915 2020***

1. *Flores-Rojas, GG; López-Saucedo, F., & Bucio, E*

*Gamma-irradiation applied in the synthesis of metallic and organic nanoparticles: a short review.*

***RADIATION PHYSICS AND CHEMISTRY, 2020, https://doi.org/10.1016/j.radphyschem.2018.08.011***

1. *Vinu, D; Govindaraju, K; Vasantharaja, R; Nisa, SA; Kannan, M; Anand, KV*

*Biogenic zinc oxide, copper oxide and selenium nanoparticles: preparation, characterization and their anti-bacterial activity against Vibrio parahaemolyticus.*

***JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, 2020,https://doi.org/10.1007/s40097-020-00365-7***

1. *Kalajahi, ST; Rasekh, B; ….&Taghavi, L*

*Green mitigation of microbial corrosion by copper nanoparticles doped carbon quantum dots nanohybrid*

***ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2020, DOI: 10.1007/s11356-020-10043-4***

1. *Srinivasan, S;R amachandran, V…& Kanagalakshimi, A*

*Biogenic Metal Nanoparticles and Their Antimicrobial Properties*

***In book: Nanotechnological approaches in food microbiology,2020, doi: 10.1201/9780429342776-17***

1. *Paramanantham, P; Siddhardha, B*

*Recent Advancements in the Design and Synthesis of Antibacterial and Biofilm Nanoplatforms*

***In book: Nanostructures for Antimicrobial and Antibiofilm Applications, 2020, DOI: 10.1007/978-3-030-40337-9\_14***

1. *Majhi, KC; Karfa, P; Madhuri, R*

*Nanomaterials: Therapeutic Agent for Antimicrobial Therapy*

***In book: Nanostructures for Antimicrobial and Antibiofilm Applications, 2020, DOI: 10.1007/978-3-030-40337-9\_1***

1. *Chandraker, SK; Lai, M;…&Shukla, R*

*Green synthesis of copper nanoparticles using leaf extract of Ageratum houstonianum Mill. and study of their photocatalytic and antibacterial activities,****NANO EXPRESS, 2020, DOI: 10.1088/2632-959X/ab8e99***

1. *Oh, YJ; Park, S; …& Hong, J*

*Quality Evaluation of Dried Red Pepper After Copper Plate Contact*

***JOURNAL OF FOOD HYGIENE AND SAFETY. 35(2): 177-182 2020***

1. *Tehri, N; Kaur, R;…&Kumar, G*

*Biosynthesis, characterization, bactericidal and sporicidal activity of silver nanoparticles using the leaves extract of Litchi chinensis,* ***PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, 2020, DOI: 10.1080/10826068.2020.1762212***

1. *Charkhian, H; Bodaqlouie, A; …&Khodayar, M*

*Comparing the Bacteriostatic Effects of Different Metal Nanoparticles Against Proteus vulgaris*

***CURRENT MICROBIOLOGY, 77(2674–2684) 2020***

1. *Bautista‐Del‐Ángel, JE; Morales‐Cepeda, AB; Wood‐Adams, PM*

*Compatibility, crystallinity and mechanical properties of poly (lactic acid)‐poly (ether‐block‐amide) based copper nanocomposites.****POLYMER INTERNATIONAL, 2020, https://doi.org/10.1002/pi.6058***

1. *Sampaio, S; Viana, JC*

*Optimisation of the green synthesis of Cu/Cu2O particles for maximum yield production and reduced oxidation for electronic applications.****MATERIALS SCIENCE AND ENGINEERING: B, 263: 114807 2020***

1. *Murrieta-Rico, FN*

*Prospects for Further Development of Face Masks to Minimize Pandemics–Functionalization of Textile Materials with Biocide Inorganic Nanoparticles: A Review.*

***IEEE Latin America Transactions, 100(1e), 2020, https://latamt.ieeer9.org/index.php/transactions/article/view/4388***

1. *Kaushik, R*

*Nanotechnological Approaches in Food Microbiology.* ***CRC Press, 2020, https://doi.org/10.1201/9780429342776***

1. *Rahayu, E; Wonoputri, V; Samadhi, TW*

*Plant extract-assisted biosynthesis of zinc oxide nanoparticles and their antibacterial application*

***IOP Conference Series Materials Science and Engineering 823:012036, 2020, DOI: 10.1088/1757-899X/823/1/012036***

1. *Zheng, L; Li, S; Luo, J; Wang, X*

*Latest Advances on Bacterial Cellulose-Based Antibacterial Materials as Wound Dressings.*

***FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, 2020, doi: 10.3389/fbioe.2020.593768***

1. *Таусарова, БР; Сулейменова, МШ; Алипбаев, АН*

*Синтез наночастиц меди и их применение для модификации целлюлозных текстильных материалов.*

***НОВОСТИ НАУКИ КАЗАХСТАНА, 2(144): 42-50 2020***

1. *Machry, K*

*Modificação de filtros de ar condicionado com nanopartículas de cobre com efeito biocida para ambientes indoor rooms.****Doctoral dissertation, 2020, Brasil,*** ***https://repositorio.ufscar.br/handle/ufscar/13274***

1. *Budimir, MD*

*Modification of carbon nanocomposites by electromagnetic irradiation for biomedical application*

***Doctoral dissertation, Univerzitet u Beogradu-Elektrotehnički fakultet, 2020,***

***http://uvidok.rcub.bg.ac.rs/bitstream/handle/123456789/3864/Doktorat.pdf?sequence=1***

1. *Dib, K*

*Synthesis and characterization of nanoparticles for potential applications in wound healing*

***Doctoral dissertation, Notre Dame University-Louaize, 2020****,* ***http://ir.ndu.edu.lb/123456789/1259***

1. *Anwar, A; Siddiqui, R;…&Khan, NA*

*Antidiabetic Drugs and Their Nanoconjugates Repurposed as Novel Antimicrobial Agents against Acanthamoeba castellanii,* ***JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY 29(5):713-720 2020***

1. *Hemdan, BA; El Nahrawy, AM; Mansour, AFM; Hammad, ABA*

*Green sol–gel synthesis of novel nanoporous copper aluminosilicate for the eradication of pathogenic microbes in drinking water and wastewater treatment.****ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 26:9508-9525 2019***

1. *Karageorgou, D; Thomou, E; Vourvou NT;…&Stamatis, H*

*Antibacterial and Algicidal Effects of Porous Carbon Cuboid Nanoparticles,* ***ACS OMEGA, 4 (3): 4991–5001 2019***

1. *Bakina, OV; Glazkova, EA; Svarovskaya, NV; Rodkevich, NG; Lerner, MI*

*«Janus»-like Cu-Fe bimetallic nanoparticles with high antibacterial activity.****MATERIALS LETTERS, 242: 187-190 2019***

1. *Villapún, VM; Tardío, S; Cumpson, P; Burgess, JG; Dover, LG; González, S*

*Antimicrobial properties of Cu-based bulk metallic glass composites after surface modification.*

***SURFACE AND COATINGS TECHNOLOGY, 372:111-120 2019***

1. *Rutkowska-Gorczyca, M; Molska, J*

*The effect of titanium dioxide modification on the copper powder bactericidal properties.*

***ENGINEERING OF BIOMATERIALS, 22(149): 15-19 2019***

1. *Majumdar, TD; Singh, M;…& Ghosh, CK*

*Size-dependent antibacterial activity of copper nanoparticles against Xanthomonas oryzae pv. oryzae -A synthetic and mechanistic approach*

***COLLOIDS AND INTERFACE SCIENCE COMMUNICATIONS, 2019, DOI: 10.1016/j.colcom.2019.100190***

1. *Dacrory, S; Abou-Yousef, H; Kamel, S; Turky, G*

*Development of biodegradable semiconducting foam based on micro-fibrillated cellulose/Cu-NPs.****INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2019, https://doi.org/10.1016/j.ijbiomac.2019.03.156***

1. *Kunrath, MF; Leal, BF;…& Teixeira ER*

*Antibacterial potential associated with drug-delivery built TiO2 nanotubes in biomedical implants*

***AMB EXPRESS, 9(1):51, 2019, DOI: 10.1186/s13568-019-0777-6***

1. *Dadi, R; Azouani, R; …& Kanaev, A*

*Antibacterial activity of ZnO and CuO nanoparticles against gram positive and gram negative strains.*

***MATERIALS SCIENCE AND ENGINEERING: C, 104: 109968 2019***

1. *Banthia, S; Hazra, C; Sen, R; Das, S; Das, K*

*Electrodeposited functionally graded coating inhibits Gram-positive and Gram-negative bacteria by a lipid peroxidation mediated membrane damage mechanism.*

***MATERIALS SCIENCE AND ENGINEERING: C, 2019, https://doi.org/10.1016/j.msec.2019.04.087***

1. *Masoule, SF;Pourhajbagher, M; Safari, J; Khoobi, M*

*Base-free green synthesis of copper(II) oxide nanoparticles using highly cross-linked poly(curcumin) nanospheres: synergistically improved antimicrobial activity,* ***RESEARCH ON CHEMICAL INTERMEDIATES, 2019,*** ***DOI: 10.1007/s11164-019-03841-0***

1. *Wang, X; Li, R; Li, ZA; Xiao, R; Chen, XB; Zhang, T*

*Design and preparation of nanoporous Ag-Cu alloys through dealloying Mg-(Ag, Cu)-Y metallic glasses for antibacterial applications.****JOURNAL OF MATERIALS CHEMISTRY B, 2019, DOI: 10.1039/C9TB00148D***

1. *Amorim, A; Mafud, A C; ... & Braun, S*

*Copper nanoparticles stabilized with cashew gum: Antimicrobial activity and cytotoxicity against 4T1 mouse mammary tumor cell line. ,* ***JOURNAL OF BIOMATERIALS APPLICATIONS, 2019, https://doi.org/10.1177/0885328219845964***

1. *Montazer, M;Harifi, T*

*Textile: Substrates Modification by Novel Polymers.*

***IN ENCYCLOPEDIA OF POLYMER APPLICATIONS, PP. 2562-2579, CRC PRESS, 2019***

1. *Jelinkova, P; Mazumdar, A; Sur, VP; ... & Vaculovicova, M*

*Nanoparticle-drug conjugates treating bacterial infections,* ***JOURNAL OF CONTROLLED RELEASE, 307: 166-185 2019***

1. *Satriyani, CM; Khumaeni, A*

*Synthesis of colloidal copper nanoparticles using pulse laser ablation method.*

***JOURNAL OF PHYSICS: CONFERENCE SERIES, IOP PUBLISHING, 1217(1): 012019 2019***

1. *Alizadeh, S; Seyedalipour, B;…& Aghdami, N*

*Copper nanoparticles promote rapid wound healing in acute full thickness defect via acceleration of skin cell migration, proliferation, and neovascularization.****BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 2019, https://doi.org/10.1016/j.bbrc.2019.07.110***

1. *Karimov, EK; Karimov, OK; Daminev, RR*

*Functional Polystyrene Materials,****EARTH AND ENVIRONMENTAL SCIENCE 272 : 032073 2019, doi:10.1088/1755-1315/272/3/032073***

1. *Dhaliwal, MK; Kalidas, N; Patil, R*

*Biosynthesis of nanoparticles and study of its applications.*

***INTERNATIONAL JOURNAL OF SCIENTIFIC & ENGINEERING RESEARCH, 10 (2): 968-975 2019***

1. *Budiati, IM;Saadah, F; Rifani, NB; Khumeani, A*

*Effect of solvent in the synthesis of colloidal copper nanoparticles by pulse laser ablation method*

***AIP Conference Proceedings 2202(1):020003, 2019, DOI: 10.1063/1.5141616***

1. *El-Sayed, ASA; El-Sayed, MT*

*Biocidal Activity of Metal Nanoparticles Synthesized by Fusarium solani against Multidrug-Resistant Bacteria and Mycotoxigenic Fungi,* ***JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, 2019, DOI: 10.4014/jmb.1906.06070***

1. *Lv, Q., Zhang, B., Xing, X., Zhao, Y., Cai, R., Wang, W., & Gu, Q*

*Biosynthesis of Copper Nanoparticles Using Shewanella loihica PV-4 with Antibacterial Activity: Novel Approach and Mechanisms Investigation.****JOURNAL OF HAZARDOUS MATERIALS, 347: 141-149 2018***

1. *Hibbitts, A; O 'leary, C*

*Emerging Nanomedicine Therapies to Counter the Rise of Methicillin-Resistant Staphylococcus aureus*

***MATERIALS 11(2):321 2018, DOI:10.3390/ma11020321***

1. *Baranwal,A; Srivastava, A;Kumar, P;…& Chandra, P*

*Prospects of Nanostructure Materials and Their Composites as Antimicrobial Agents*

***FRONTIERS IN MICROBIOLOGY 9, 2018, DOI:10.3389/fmicb.2018.00422***

1. *Ahire, JJ; Neveling, DP; Dicks, L MT*

*Polyacrylonitrile (PAN) nanofibres spun with copper nanoparticles: an anti-Escherichia coli membrane for water treatment.****APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, 2018, https://doi.org/10.1007/s00253-018-9051-***

1. *Sierra-Fernandez, A; De la Rosa-García, SC; Yañez-Macías, R; …& Quintana, P*

*Sol–gel synthesis of Mg(OH)2 and Ca(OH)2 nanoparticles: a comparative study of their antifungal activity in partially quaternized p(DMAEMA) nanocomposite films*

***JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, 2018, DOI: 10.1007/S10971-018-4890-9***

1. *Singh, P; Garg, A; Pandit, S;…& Mijakovic, I*

*Antimicrobial Effects of Biogenic Nanoparticles,****NANOMATERIALS, 2018, DOI: 10.3390/nano8121009***

1. *Villapún, VM; Lukose, CC; Birkett, M; Dover, LG; González, S*

*Tuning the antimicrobial behaviour of Cu85Zr15 thin films in “wet” and “dry” conditions through structural modifications.****SURFACE AND COATINGS TECHNOLOGY, 2018,* *https://doi.org/10.1016/j.surfcoat.2018.06.094***

1. *Saad, EL; Salem, SS; Fouda, A; Awad, MA; El-Gamal, MS; Abdo, AM*

*New approach for antimicrobial activity and bio-control of various pathogens by biosynthesized copper nanoparticles using endophytic actinomycetes.* ***JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, 2018,***

***https://doi.org/10.1016/j.jrras.2018.05.003***

1. *Yerukala, S; Bokka, VS*

*Screening Antimicrobial Potential of Copper Nanoparticles against Pseudomonas fluorescens and Bacillus subtilis and its Sustainability in Agriculture.* ***INT. J. CURR. MICROBIOL APP. SCI, 7(6), 1606-1617 2018***

1. *Mofokeng, TP; Shumbula, PM;Moloto, MJ; Marais, L*

*Antimicrobial Activity of Amino Acid-Capped Zinc and Copper Sulphide Nanoparticles*

***JOURNAL OF NANOTECHNOLOGY, 2018, DOI: 10.1155/2018/4902675***

1. *Butassi, E; Raimondi, M; Raimondi, M; Postigo, A; Postigo, A; ... & Sortino, M*

*Antimicrobial Activity Testing Techniques.*

***In Book:Essential Oils and Nanotechnology for Treatment of Microbial Diseases. CRC Press, pp. 295-309 2018***

1. *Betts, JW; Hornsey, M; La Ragione, RM*

*Novel Antibacterials: Alternatives to Traditional Antibiotics.****Chapter in:* *Advances in Microbial Physiology, Elsevier, ISSN: 0065-2911, 2018, https://www.sciencedirect.com/bookseries/advances-in-microbial-physiology***

1. *Khezerlou, A; Sani, M.A; Ehsani, A*

*Nanoparticles and their antimicrobial properties against pathogens including bacteria, fungi, parasites and viruses.*

***MICROBIAL PATHOGENESIS, 123: 505-526 2018***

1. *Gabal, E; Ramadan, MM; Asran, A; Abd-Elsalam, A*

*Copper Nanostructures Applications in Plant Protection*

***In book: Nanobiotechnology Applications in Plant Protection, pp.63-86, 2018, DOI: 10.1007/978-3-319-91161-8\_3***

1. [*Al-Sawafi*](https://www.researchgate.net/scientific-contributions/2149412190_A_M_S_M_Al-Sawafi?_sg=PlQ6lWjKsbhkZxrKrT-1Zk5j4OmETDggJWaMJd561kaUNkkGF8kqjFaiWbQoapsKujEw7S8.Ul9fxxiWPkeoKs7zKoa4_4AaGPuLa4zv-itkZks3IlDNWi7y2FkaWURkqiELsW4jwXj6Y9N1lHgbgGu7xrLbbQ)*, AMSM, Lim, TM; Yek, PNY, Julaihi, MRMB*

*Controlled nanocrystallites growth of plasma-treated Cu sheets* ***IOP CONFERENCE SERIES MATERIALS SCIENCE AND ENGINEERING 429:01208, 2018,******DOI: 10.1088/1757-899X/429/1/012085***

1. *Piñon-Castillo, HA; Castellanos,LNM; Chamorro, RM...&* *Borunda, EO*

*Nanoparticles as new therapeutic agents against Candida albicans*

***Chapter in: Candida albicans, IntechOpen, 1-27, 2018, https://cdn.intechopen.com/pdfs/63926.pdf***

1. *Thokala, N., Kealey, C., Kennedy;…. & Farrell, J*

*Comparative activity of silver based antimicrobial composites for urinary catheters*

***INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, 2018, DOI: 10.1016/j.ijantimicag.2018.03.015***

1. *Watson, JD*

*Bacterial Growth in the Presence of Metal Ions and the Quorum Sensing Molecule, AIP (Auto Inducing Peptide)*

***WORCESTER POLYTECHNIC INSTITUTE, 2018, https://web.wpi.edu/Pubs/E-project/Available/E-project-060118-154619/unrestricted/Bacterial\_Growth\_in\_the\_Presence\_of\_Metal\_Ions\_and\_the\_Quorum\_Sensing\_Molecule,\_AIP.pdf***

1. *Flores-Rojas, GG; López-Saucedo, F; Bucio, E*

*Gamma-irradiation applied in the synthesis of metallic and organic nanoparticles: A short review.*

***RADIATION PHYSICS AND CHEMISTRY, 2018, https://doi.org/10.1016/j.radphyschem.2018.08.011***

1. *Musa, A; Ahmad, MB; Hussein, MZ; Saiman, MI; Sani, HA*

*Preparation, characterization and catalytic activity of biomaterial-supported copper nanoparticles*

***RESEARCH ON CHEMICAL INTERMEDIATES, 43(2): 801–815 2017***

1. *Thokala, N., Kealey, C., Kennedy, J., Brady, D. B., & Farrell, J*

*Characterisation of polyamide 11/copper antimicrobial composites for medical device applications.*

***MATERIALS SCIENCE AND ENGINEERING: C, 2017,*** [***http://dx.doi.org/10.1016/j.msec.2017.03.149***](http://dx.doi.org/10.1016/j.msec.2017.03.149)

1. *Alipour, B*

*Cytotoxicity Assessment of Copper Nanoparticles (40nm) on the Human Umbilical Vein Endothelial Cells Viability.*

***ARAK MEDICAL UNIVERSITY JOURNAL, 20(1) :96-106 2017***

1. *Li, Y; Yang, D; Cui, J*

*Graphene oxide loaded with copper oxide nanoparticles as an antibacterial agent against Pseudomonas syringae pv. tomato.****RSC ADVANCES, (62): 38853-38860 2017***

1. *Haleem, AM; Kadhim, A; Abbas, RH*

*Antibacterial activity of copper oxide nanoparticles against Escherichia coli ATCC 25922 and Staphylococcus aureus ATCC 25923.****ADVANCES IN NATURAL AND APPLIED SCIENCES, 11(3): 1-6 2017***

1. *Li, M; Gao, L; Schlaich, C; Zhang, J;…&Ma, N*

*Construction of functional coating with durable and broad-spectrum antibacterial potential based on mussel-inspired dendritic polyglycerol and in-situ-formed copper nanoparticles.*

***ACS APPLIED MATERIALS & INTERFACES, 9(40): 35411-35418 2017***

1. *Karimov EK; Karimov, OK; Movsumzade EM; Boev EV*

*The influence of metal nanoparticles on the mechanical properties of composite materials.*

***Nanotehnologii v stroitel’stve ( Nanotechnologies in Construction) 9( 4): 22-47 2017, DOI: dx.doi.org/10.15828/2075-8545-2017-9-4-22-47.***

1. *Nasir, M; Ansharullah, RA*

*Synthesis of copper acetate/polyvinyl alcohol nanofiber composite by electrospinning.*

***In Nanomaterials: Application & Properties (NAP), p. 03NNSA15-1-03NNSA15-4 2017***

1. *Paredes Huanio Reátegui Pinedo, NM*

*Capacitación empresarial y su incidencia en la Gestión Administrativa de la Empresa American Metal SAC del Distrito de Calleria-Pucallpa,* ***Dissertation, FACULTAD DE CIENCIAS CONTABLES Y ADMINISTRATIVAS Pucallpa, Peru, 2017, URI:***[***http://repositorio.upp.edu.pe/handle/UPP/90***](http://repositorio.upp.edu.pe/handle/UPP/90)

1. *Nájera Cabrales, Héctor Daniel*

*Addition of copper nanoparticles to Al-Cu alloy for dental materials.*

***Dissertation,National Polytechnic Institute, SEPI, ESIME Zacatenco, 2017, URI: http://tesis.ipn.mx/handle/123456789/23781***

1. *Ramírez, TVJ; Villavicencio, L L F; Ortiz, NG; ... & Domínguez, JPC*

*Susceptibilidad in vitro de pestalotiopsis spp. a nanoparticulas de cobre.*

***JÓVENES EN LA CIENCIA* (*Quinto Encuentro de Jóvenes Investigadores), 3(2): 362-367 2017***

1. *Farashiani, M*

*Synthesis of copper / copper oxide nanoparticles by electrodeposition and photocatalytic property evaluation*

***MATERIALS ENGINEERING, CHEMICAL ENGINEERING AND INDUSTRIAL SAFETY, 1-6, 2017, https://www.researchgate.net/publication/329276239***

1. *Simeonidis, K; Mourdikoudis, S; Kaprara, E; Mitrakas, M; Polavarapu, L*

*Inorganic engineered nanoparticles in drinking water treatment: A critical review.*

***ENVIRONMENTAL SCIENCE: WATER RESEARCH & TECHNOLOGY, 2:43-70 2016***

1. *Kumar, VV; Anthony, SP*

*Antimicrobial studies of metal and metal oxide nanoparticles. Surface Chemistry of Nanobiomaterials*

***Elsevier, Chapter in: Surface Chemistry of Nanobiomaterials, Applications of nanobiomaterials; Volume 3, Chapter 9, p.265-300, 2016 DOI: http://dx. doi. org/10.1016/B978-0-323-42861-3.00009-1***

1. *Sharmila, G., Thirumarimurugan, M., & Sivakumar, V. M*

*Optical, catalytic and antibacterial properties of phytofabricated CuO nanoparticles using Tecoma castanifolia leaf extract.* ***OPTIK-INTERNATIONAL JOURNAL FOR LIGHT AND ELECTRON OPTICS, 127(19): 7822-7828 2016***

1. *Javani, S; Lorca, R; Latorre, A; Flors, C; Cortajarena, AL; Somoza, Á*

*Antibacterial Activity of DNA-Stabilized Silver Nanoclusters Tuned by Oligonucleotide Sequence.*

***ACS APPLIED MATERIALS & INTERFACES, 8(16): 10147-10154 2016***

1. *Simeonidis, K.; Mourdikoudis, S; Kaprara, E; Mitrakas, M; Polavarapu, L*

*Inorganic engineered nanoparticles in drinking water treatment: a critical review.*

***ENVIRONMENTAL SCIENCE: WATER RESEARCH & TECHNOLOGY, 2(1): 43-70 2016***

1. *Khodashenas, B*

*The Influential Factors on Antibacterial Behaviour of Copper and Silver Nanoparticles*

***INDIAN CHEMICAL ENGINEER, 58(3): 224-239 2016***

1. *Fariba, A; Bahram, GE; Farrokh, K; Tabrizy, S; Pooneh, SS*

*An Investigation of the Effect of Copper Oxide and Silver Nanoparticles on E. Coli Genome by Rapd Molecular Markers*

***ADVANCES IN BIOTECHNOLOGY & MICROBIOLOGY,*** ***2016; 1(2): 555559. DOI:***[***10.19080/AIBM.2016.01.555559***](http://dx.doi.org/10.19080/AIBM.2016.01.555559)

1. [*Golestani*](http://biot.modares.ac.ir/?_action=article&au=545725&_au=%D8%A8%D9%87%D8%B1%D8%A7%D9%85++%DA%AF%D9%84%D8%B3%D8%AA%D8%A7%D9%86%DB%8C)*, B;*[*Parsley*](http://biot.modares.ac.ir/?_action=article&au=545761&_au=%D8%A7%D9%81%D8%B4%D8%A7%D9%86%D9%87++%D8%AC%D8%B9%D9%81%D8%B1%DB%8C)*, P; Karimi, F*

*An investigation of the effect of copper nanoparticles on Salmonella tifi morum genome by RAPD molecular markers*

***BIOTECHNOLOGY, Article 10,*** [***7( 2***](http://biot.modares.ac.ir/issue_5412_5477_Volume+7%2C+Issue+2%2C+Summer++and+Autumn+2016.html)***): 80-90 2016***

1. *Golestani, J; Afshaneh ,K*

*The effect of copper oxide nanoparticles on the genome of Salmonella typhimurium using molecular markers of RAPD.*

***BIOTECHNOLOGY, Tarbiat Moderas University,***  [***7( 2***](http://biot.modares.ac.ir/issue_5412_5477_Volume+7%2C+Issue+2%2C+Summer++and+Autumn+2016.html)***): 80-90 2016***

1. *Amjady, F; Golestani, EB; Karimi, F; Sevda, T*

*An Investigation of the Effect of Copper Oxide and Silver Nanoparticles on E. Coli Genome by Rapd Molecular Markers****. , ADV BIOTECH & MICRO. 2016; 1(2): 555559. DOI:***[***10.19080/AIBM.2016.01.555559***](http://dx.doi.org/10.19080/AIBM.2016.01.555559)

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Yuan, Z; Shen, X; Huang, J*

*Syntheses, crystal structures and antimicrobial activities of Cu (ii), Ru (ii), and Pt (ii) compounds with an anthracene-containing tripodal ligand.****, RSC ADVANCES, 5(14):10521-10528 2015***

1. *Yuan, Q; Zhou, T; Li, L; Zhang, J; Liu, X; Ke, X; Zhang*

*Hydrogen bond breaking of TPU upon heating: understanding from the viewpoints of molecular movements and enthalpy,* ***RSC ADVANCES,* *5: 31153-31165 2015***

1. [*Babić, MM;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=55540630000&zone=)[*Božić, B;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=54384796400&zone=)[*Antić, KM;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=56397120700&zone=) [*Jovašević Vuković, S;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?authorId=56414985900&amp;eid=2-s2.0-84923677429)[*Perišić, MD*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?authorId=56530435600&amp;eid=2-s2.0-84923677429)*;* [*Filipović, JM;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=35585005400&zone=)[*Tomić, SL*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=8438018300&zone=)

[*Design of novel multifunctional Oxaprozin delivery system based on dual-sensitive poly(2-hydroxypropyl acrylate/itaconic acid) hydrogels*](http://www-scopus-com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84923677429&origin=resultslist&sort=plf-f&cite=2-s2.0-84900421753&src=s&imp=t&sid=1ADD3DF44E8D119BCB2F745E420690FF.euC1gMODexYlPkQec4u1Q%3a220&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)*,* ***MATERIALS LETTERS,******147:64-68 2015***

1. *Naddeo, JJ; Ratti, M; O’Malley, SM; Griepenburg, JC; Bubb, DM; Klein, E A*

*Antibacterial Properties of Nanoparticles: A Comparative Review of Chemically Synthesized and Laser-Generated Particles,* ***ADVANCES SCIENCE, ENGINEERING AND MEDICINE, 7:1044-1057 2015***

1. *Yuan, ZL; Wang, L; Shen, XM; Yang, XQ; Huang, JD; Wei, G*

*Copper (II) and platinum (II) compounds with pyrene-appended dipicolylamine ligand: syntheses, crystal structures and biological evaluation.*

***JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, 82 (1): 135-143 2015***

1. *Vuković, JS; Babić, MM; Antić, KM; Miljković, MG; Perić-Grujić, AA; Filipović, JM; Tomić, SL*

*A high efficacy antimicrobial acrylate based hydrogels with incorporated copper for wound healing application.*

***MATERIALS CHEMISTRY AND PHYSICS, 164: 51-62 2015***

1. *Camacho-Flores, BA; Arenas-Arrocena, MC; Martínez-Álvarez, O; García-Contreras, R; Argueta-*

*Figueroa, L; de la Fuente-Hernández, J; Acosta-Torres, LS*

*Copper: synthesis techniques in nanoscale and powerful application as an antimicrobial agent.*

***JOURNAL OF NANOMATERIALS,*** ***415238, p.1-20, 2015***

1. *Kejdušová, M; Vysloužil, J; Kubová, K; Celer,V; Krásna, M; Pechová, A;* [*Vyskočilová*](http://www.hindawi.com/95781986/)*,V; Košťál,V*

*Antimicrobial Properties of Microparticles Based on Carmellose Cross-Linked by Cu2+****BIOMED RESEARCH INTERNATIONAL,******Article ID 790720: 1-9 2015****,****http://www.hindawi.com/journals/bmri/aa/790720/***

1. [*Camacho-Flores*](https://www.hindawi.com/60261379/)*, BA; de la Fuente-Hernández, J; Acosta-Torres, LS; Susana, ATL.*

*Copper: synthesis techniques in nanoscale and powerful application as an antimicrobial agent.*

***JOURNAL OF NANOMATERIALS, VOLUME 2015 (2015), ARTICLE ID 415238, 10 PAGES***

1. *Shankar, S; Rhim, JW*

*Effect of copper salts and reducing agents on characteristics and antimicrobial activity of copper nanoparticles*

***MATERIALS LETTERS, 132:307-311 2014***

**51.** Bogdanović, U; **Vodnik, V**;Ahrenkiel,SP; Stoiljković,M; Ćirić-Marjanović,G; Nedeljković,JM

*Interfacial synthesis and characterization of gold/polyaniline nanocomposites*

**SYNTHETIC METALS, 195:122–131 2014**

1. *Bekhit, M, Fathy, ES; Sharaf, A*

*Effect of gamma irradiation on properties of the synthesized PANI-Cu nanoparticles assimilated into PS polymer for electromagnetic interference shielding application,* ***SCIENTIFIC REPORTS, 2024, DOI: 10.1038/s41598-024-66356-8***

1. *Hussaini, AS*

*Development of functional materials based on new high content electron withdrawing groups terpolymer composites for potential applications,* ***International journal of Environmental Science and Technology, 2024, DOI: 10.1007/s13762-024-05993-y***

1. *Lebedeva, MV; Gribov, EN*

*Polyaniline-Carbon Composite as Positive Electrode of Asymmetric Supercapacitor with Ionic Liquid-Based Electrolyte*

***SSRN Electronic Journal, 2023, DOI: 10.2139/ssrn.4349272***

1. *Muttaqien, SE;Khoris, IM;…&Park, EY*

*Simple, versatile, and practical impedimetric immunosensor based on gold nanoparticle-polyaniline nanocomposite for clinical dengue virus detection,* ***BIOCHEMICAL ENGINEERING JOURNAL, 2023, DOI: 10.1016/j.bej.2023.109028***

1. *Lebedeva, MV; Gribov, EN*

*Revealing the causes of degradation of an asymmetric ionic liquid supercapacitor with a composite polyaniline/carbon electrode*

***SOLID STATE IONICS 401(80):116353 2023***

1. *Yang, W; Ji, Q;…& Zhu, Y*

*Development of a Short Carbon Fiber@Polyaniline/Polydimethylsiloxane Flexible Composite Film with Excellent Microwave Absorption Properties at an Ultralow Filler Content,* ***ACS Applied Polymer Materials, 5 (12):10265-10275 2023***

1. *Sun, M; Guo, W;…& Zhang, Q*

*Fast Tailoring of Gold Nanoflowers by An Interface-modified Reverse Microdroplet Strategy*

***COLLOIDS AND SURFACES A, 2022, DOI: 10.1016/j.colsurfa.2022.128590***

1. *Halim, EMH; Chemchoub, S;...&Thazi, M*

*Recent advances in anode metallic catalysts supported on conducting polymer-based materials for direct alcohol fuel cells*

***FRONTIERS IN ENERGY RESEARCH, 2022,DOI: 10.3389/fenrg.2022.843736***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive Green Metal‐polyaniline Nanocomposites: Synthesis and Application in Sensors.*

***ELECTROANALYSIS, 35(2): e202100636 2023***

1. *Kyomuhimbo, HD; Feleni, U*

*Catalytic and Energy Storage Applications of Metal/Polyaniline Nanocomposites: A Critical Review*

***JOURNAL OF ELECTRONIC MATERIALS, 2022, DOI: 10.1007/s11664-022-09848-5***

1. *Gao, N., Yu, J., Chen, S., Xin, X., & Zang, L*

*Interfacial polymerization for controllable fabrication of nanostructured conducting polymers and their composites.*

***SYNTHETIC METALS, 273: 116693 2021***

1. *Goel, V; Tanwar, R; Mandal, UK*

*Performance Enhancement of Commercial Ultrafiltration Polysulfone Membrane via in‐situ Polymerization of Aniline using copper chloride as a catalyst.*

***JOURNAL OF CHEMICAL TECHNOLOGY & BIOTECHNOLOGY, 2021, https://doi.org/10.1002/jctb.6567***

1. *Sokary, R; Abu el-naga, MN; Bekhit, M; Atta, S*

*A potential antibiofilm, antimicrobial and anticancer activities of chitosan capped gold nanoparticles prepared by γ–irradiation.****MATERIALS TECHNOLOGY, 2021, https://doi.org/10.1080/10667857.2020.1863555***

1. *Abadi, M.;Sofa, NA; Zulaikah, S; Mufti, N*

*Influence of Au Sputtered in ZnO/Au/PANI Heterostructures Film for Photoelectrochemical Cells.*

***MATERIALS SCIENCE FORUM, 1028: 117-126 2021***

1. *Lebedeva, MV; Gribov, EN*

*Electrochemical behavior and structure evolution of polyaniline/carbon composites in ionic liquid electrolyte*

***JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2020, DOI: 10.1007/S10008-020-04516-2***

1. *Almashrea, BA; Abla, F;...& Mohamed, AA*

*Polyaniline coated gold-aryl nanoparticles: Electrochemical synthesis and efficiency in methylene blue dye removal*

***SYNTHETIC METALS, 2020, DOI: 10.1016/j.synthmet.2020.116528***

1. *Megha, R; Ravikiran, YT; ...&Thomas, S*

*Structural and electrical characterization studies for ternary composite of polypyrrole*

***JOURNAL OF MATERIALS SCIENCE MATERIALS IN ELECTRONICS, 2020, DOI: 10.1007/s10854-020-04386-4***

1. *Vaid, K; Dhiman, J; Kumar, S; Kim, KH; Kumar, V*

*A Novel Approach for Effective Alteration of Morphological Features of Polyaniline through Interfacial Polymerization for Versatile Applications.****NANOMATERIALS, 10(12): 2404 2020***

1. *Mondal, P; Guo, C; Yarger, J L*

*Water soluble gold-polyaniline nanocomposite: A substrate for surface enhanced Raman scattering and catalyst for dye degradation.****ARABIAN JOURNAL OF CHEMISTRY, 13(2):4009-4018 2020***

1. *Al-Hussaini, AS*

*New crystalline poly(aniline-co-benzidine)/bentonite microcomposites: synthesis and characterization*

[***POLYMER BULLETIN***](https://www.researchgate.net/journal/0170-0839_Polymer_Bulletin)***, 76.1:323-337 2019***

1. *Kuznetsov, AN; Ayupov, AB; Yeletsky, PM; Lebedeva, MV*

*Influence of monomer content on course of aniline polymerization in presence of high surface area carbon.*

***JOURNAL OF ELECTROANALYTICAL CHEMISTRY, 835: 73-80 2019***

1. *Wang, L., Sun, S., He, Y., He, N., Zhang, F., Yao, Y., ... & Chen, Y*

*Viologen-Bridged Polyaniline based Multifunctional Heterofilms for All-Solid-State Supercapacitors and Memory Devices.****EUROPEAN POLYMER JOURNAL,******98:125-136 2018***

1. *Tan, Y; Liu, Y; Zhang, Y; Xu, C; Kong, L; Kang, L; Ran, F*

*Dulse‐derived porous carbon–polyaniline nanocomposite electrode for high‐performance supercapacitors.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 135(5):45776 2018, DOI: 10.1002/app.45776***

1. [*Megha*](https://www.researchgate.net/scientific-contributions/2109567980_R_Megha)*, R;Ravikiran, YT; Savanur, K;Thomas,S*

[*Carboxymethyl cellulose: an efficient material in enhancing alternating current conductivity of HCl doped polyaniline*](https://www.researchgate.net/publication/321832540_Carboxymethyl_cellulose_an_efficient_material_in_enhancing_alternating_current_conductivity_of_HCl_doped_polyaniline)

***CELLULOSE, 25(2): 1147-1158 2018***

1. *Al-Hussaini, AS*

*Novel Benzidine and o-Phenylenediamine Copolymer–Matrix Microcomposites.*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS,******28(3):871-879 2018***

1. *Rascón-Leon, S; Castillo-Ortega, MM.;... & Herrera-Franco, PJ*

*Selective adsorption of gold and silver in bromine solutions by acetate cellulose composite membranes coated with polyaniline or polypyrrole,* ***POLYMER BULLETIN, 75(7): 3241-3265 2018***

1. *Ran, F; Tan, Y; Dong, W;...& Kang, L*

*In situ polymerization and reduction to fabricate gold nanoparticle-incorporated polyaniline as supercapacitor electrode materials* ***POLYMERS FOR ADVANCED TECHNOLOGIES, 2018, DOI:10.1002/pat.4273***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***Chapter In Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

1. *Abdelhamid, M*

*Synthesize and Characterization of Polymer Based Nanocomposite Solar Cells*

***Doctoral dissertation,*** ***Sohag University, 2018, DOI: 10.13140/RG.2.2.25107.50727***

1. *Al-Hussaini, AS*

*In situ oxidative copolymerization and characterization of new poly(benzidine-co-o-phenylenediamine)/kaolinite microcomposites,****POLYMER SCIENCE, SERIES B, 2017, doi:10.1134/S1560090417030010***

1. *Tan, Y; Liu, Y; Kong, L; Kang, L; Xu, C; Ran, F*

*In situ doping of PANI nanocomposites by gold nanoparticles for high‐performance electrochemical energy storage.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2017, DOI: 10.1002/app.45309***

1. *Tan, Y; Zhang, Y; Kong, L; Kang, L; Ran, F*

*Nano-Au@ PANI core-shell nanoparticles via in-situ polymerization as electrode for supercapacitor.* ***JOURNAL OF ALLOYS AND COMPOUNDS, 2017, https://doi.org/10.1016/j.jallcom.2017.06.068***

1. *Kulandaivalu, S; Zainal, Z, Sulaiman, Y*

*Influence of Monomer Concentration on the Morphologies and Electrochemical Properties of PEDOT, PANI, and PPy Prepared from Aqueous Solution.****INTERNATIONAL JOURNAL OF POLYMER SCIENCE, 2016.* *Article ID 8518293, 12 pages,*** [***http://dx.doi.org/10.1155/2016/8518293***](http://dx.doi.org/10.1155/2016/8518293)

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Mahto, T.K; Chandra, S; Haldar, C; Sahu, SK*

*Kinetic and thermodynamic study of polyaniline functionalized magnetic mesoporous silica for magnetic field guided dye adsorption.* ***RSC ADVANCES, 5(59): 47909-47919 2015***

1. *Wang, Y;Yang, Y; Zhang, X; Liu, C; Hao, X*

*One-step electrodeposition of polyaniline/nickel hexacyanoferrate/sulfonated carbon nanotubes interconnected composite films for supercapacitor.* ***JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 19 (10): 3157-31682015***

1. *Mahto, TK; Pandey, S C; Chandra, S; Kumar, A; Kumar Sahu, S*

*Hydroxyapatite conjugated graphene oxide nanocomposite: a new sight for significant applications in adsorption.*

***RSC ADVANCES, 5(117),:96313-96322 2015***

1. *Thakur, S., Singh, A., & Singh, L*

*Structural and Electrical Properties of Self Standing Polyaniline Films modified with Gold Nanoparticles.*

***ADVANCED MATERIALS LETTERS, 6 (9): 840-846 2015***

1. *Kulandaivalu, S; Zainal, Z; Sulaiman, Y*

*A New Approach for Electrodeposition of poly (3, 4-ethylenedioxythiophene)/polyaniline (PEDOT/PANI) Copolymer*

***INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, 10: 8926-8940 2015***

1. *Rivera, LM; Betancur, AF; Bustamante, J; Hoyos, LM*

*Raman spectroscopy analysis of a flexible and electrically conductive material with applications as ECG electrode.*

***PAN AMERICAN HEALT CARE EXCHANGES, 7173332, pp. 1-6, 2015, DOI:***[***10.1109/PAHCE.2015.7173332***](http://dx.doi.org/10.1109/PAHCE.2015.7173332)

1. *Eren Ayşen, OH*

*Effect Of Carbon Nanotubes And Polyaniline On The Properties Of Polyacrylonitrile/carbon Nanotubes Composite Nanofibers,****Doctoral dissertation, Polymer Science and Technology, İstanbul Technical University, Institute of Science and Technology, 2015, http://hdl.handle.net/11527/15120***

1. [*Li, H;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=56492737800&zone=)[*Li, X;*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=55899816400&zone=)[*Li, C-J*](http://www-scopus-com.proxy.kobson.nb.rs:2048/authid/detail.url?origin=resultslist&authorId=56145604400&zone=)

[*Synthesis of water-soluble polyaniline and preparation of conductive anti-corrosion coatings*](http://www-scopus-com.proxy.kobson.nb.rs:2048/record/display.url?eid=2-s2.0-84921656803&origin=resultslist&sort=plf-f&cite=2-s2.0-84903210439&src=s&imp=t&sid=1ADD3DF44E8D119BCB2F745E420690FF.euC1gMODexYlPkQec4u1Q%3a120&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

[***JOURNAL OF BEIJING INSTITUTE OF CLOTHING TECHNOLOGY (NATURAL SCINCE EDITION)***](http://www-scopus-com.proxy.kobson.nb.rs:2048/source/sourceInfo.url?sourceId=144650&origin=resultslist)***, 34 (3): 6-14 2014***

1. *Nobrega, MM*

*Study on the influence of the morphology in the properties of the emeraldine salt and base forms of pure polyaniline and its composites with gold nanostructures* ***Doctoral dissertation, Universidade de Sao Paolo, Instituto de Quimica ,2014, 148p,*** ***http://scholar.google.com/scholar?oi=bibs&hl=sr&cites=9350824672169253679***

1. *Ucar, N; Eren, O; Onen, A; Kizildag, N; Demirsoy, N; Karacan, I*

[*The effect of polyaniline and amine functionalized carbon nanotubes on the properties of composite nanofiber web*](http://www.scopus.com/record/display.url?eid=2-s2.0-84908502728&origin=resultslist&sort=plf-f&cite=2-s2.0-84903210439&src=s&imp=t&sid=A78635C7BF25213A957C3F81A0D7B1C4.WlW7NKKC52nnQNxjqAQrlA%3a100&sot=cite&sdt=a&sl=0&relpos=0&relpos=0&citeCnt=0&searchTerm=)

***TEKSTIL VE KONFEKSIYON, 24 (3):279-285 2014***

**52.** Laban, B; **Vodnik V**; Dramicanin M; Novaković, M; Bibic N; Sovilj SP; Vasić, V

*Mechanism and Kinetics of J-Aggregation of Thiacyanine Dye in the Presence of Silver Nanoparticles***JOURNAL OF PHYSICAL CHEMISTRY C, 118 (40): 23393-23401 2014**

1. *Garnaik, UC;. Chandra, A;...& Agarwal, S*

*Development of SERS Active Nanoprobe for Selective Adsorption and Detection of Alzheimer’s Disease Biomarkers Based on Molecular Docking,* ***INTERNATIONAL JOURNAL OF NANOMEDICINE 19:8271-8284 2024***

1. *Mukherjee, I, Chatterjee, A;...&Purkayastha, P*

*Photophysical Insights into Nanomaterials-Based DNA-Mediated Superstructure Formation*

***JOURNAL OF PHYSICAL CHEMISTRY C, 2024, DOI: 10.1021/acs.jpcc.4c04440***

1. *Lebedev, V; Kondorskiy. A*

*Optics of plasmon-exciton nanostructures: theoretical models and physical phenomena in metal/J-aggregate systems*

***USPEKHI FIZICHESKIH NAUK, 2024, DOI: 10.3367/UFNR.2024.08.039742***

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2023***

1. *Grankina, I; Bespalova, I;...&Sorokin AV*

*Features of pseudoisocyanine J-aggregates formation in spin-assisted layer-by-layer assembled films and their interaction with metal nanoparticles****, FUNCTIONAL MATERIALS 29(3):338 2022***

1. *Chatterjee, A; Sharma, AK;... & Purkayastha, P*

*Dual Stimuli-Responsive BSA-Protected Silver Nanocluster-Driven “FRET On–Off” within the Niosomal Membrane: An Amalgamation of Restoration of Aggregation-Induced Quenched Fluorescence and Energy Transfer.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2022, https://doi.org/10.1021/acs.jpcc.2c07525***

1. *Rossi, A, Zanotti, M;...&Giovannetti, R*

*Silver Nanoparticle-Based Sensor for the Selective Detection of Nickel Ions*

***NANOMATERIALS, 11:1733 2021***

1. *Baranyaiová, TŠ; Mészáros, R; Sebechlebská, T; Bujdák, J*

*Non-Arrhenius Kinetics and Slowed-Diffusion Mechanism of Molecular Aggregation of a Rhodamine Dye on Colloidal Particles.* ***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2021, https://doi.org/10.1039/D1CP02762J***

1. *Deshmukh, AP*

*Tuning the Excitonic Properties of Two-Dimensional Molecular Aggregates Across the Visible and Shortwave Infrared* ***Doctoral dissertation,University of California, 2021, https://escholarship.org/uc/item/98d526gq***

1. *Kumar, PP; Rahman, A;... & Neelakandan, PP*

*Fine‐Tuning Plasmon‐Molecule Interactions in Gold‐BODIPY Nanocomposites: The Role of Chemical Structure and Noncovalent Interactions.* ***CHEMPLUSCHEM, 86(1), 87-94 2020***

1. *Li, QY; Wang, L;…& Xu, L*

*Highly Efficient Removal of Silver Nanoparticles by Sponge-like Hierarchically Porous Thiourea-Formaldehyde Resin from Water,* ***JOURNAL OF HAZARDOUS MATERIALS, 2020, https://doi.org/10.1016/j.jhazmat.2020.123184***

1. *Laban, B; Ralević, U; Petrović, S;...& Vasić, V*

*Green synthesis and characterization of nontoxic L-methionine capped silver and gold nanoparticles*

***JOURNAL OF INORGANIC BIOCHEMISTRY 204: 1109582 2020***

1. *Banerjee, S; Preeyanka, N;… & Sarkar, M*

*Highly Efficient Energy Transfer from Fluorescent Gold Nanoclusters to Organic J-Aggregates.*

***JOURNAL OF PHYSICAL CHEMISTRY C, 2020, https://doi.org/10.1021/acs.jpcc.9b10347***

1. *Preeyanka, N; Dey, H;.... & Sarkar, M*

*Highly Efficient Energy Transfer from Water Soluble Zinc Silver Indium Sulphide Quantum Dot to Organic J-Aggregates,* ***PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2020,*** ***https://doi.org/10.1039/D0CP01845G***

1. *Deshmukh, A; Bailey, A; ... & Sletten, E*

*Principles for Self-Assembly of Cyanine Dyes into 2-Dimensional Excitonic Aggregates Across the Visible and Near-Infrared,* ***CHEM Rxiv, 2020, doi.org/10.26434/chemrxiv.12609398.v1***

1. *Deshmukh, A; Bailey, A; ... &Caram, JR*

*Thermodynamic Control over Molecular Aggregate Assembly Enables Tunable Excitonic Properties across the Visible and Near-Infrared,* ***JOURNAL OF PHYSICAL CHEMISTRY LETTERS, 2021, DOI:***[***10.1021/acs.jpclett.0c02204***](http://dx.doi.org/10.1021/acs.jpclett.0c02204)

1. *Nikezić, AV;, Bondžić, AM; Vasić, VM*

*Drug Delivery Systems Based on Nanoparticles and Related Nanostuctures.*

***EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2020, https://doi.org/10.1016/j.ejps.2020.105412***

1. *Li, QY; Wang, L; Yu, X;Xu, L*

*Highly Efficient Removal of Silver Nanoparticles by Sponge-like Hierarchically Porous Thiourea-Formaldehyde Resin from Water,* ***JOURNAL OF HAZARDOUS MATERIALS, 2020, https://doi.org/10.1016/j.jhazmat.2020.123184***

1. *Kumar, PP; Rahman, A;... & P Neelakandan, P*

*Fine‐Tuning Plasmon‐Molecule Interactions in Gold‐BODIPY Nanocomposites: The Role of Chemical Structure and Noncovalent Interactions,* ***CHEMPLUSCHEM, 2020,*** ***https://doi.org/10.1002/cplu.202000545***

1. *Agrawal, AK; Sahu, PK; Seth, S; Sarkar, M*

*Electrostatically Driven Fӧrster Resonance Energy Transfer between a Fluorescent Metal Nanoparticle and J-Aggregate in an Inorganic-Organic Nanohybrid Material.****JOURNAL OF PHYSICAL CHEMISTRY C, 2019,* *DOI: 10.1021/acs.jpcc.8b10274***

1. *Magana, JR.; Solans, C; Salonen, LM; Carbó-Argibay, E; Gallo, J; Tiddy, GJ; Rodríguez-Abreu, C*

*Chromonic self-assemblies in a series of dialkyl-thiacarbocyanine dyes and generalization of a facile route for the synthesis of fluorescent nanostructured silica fibers.*

***JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, 2018****,* [***https://doi.org/10.1016/j.jtice.2018.03.027***](https://doi.org/10.1016/j.jtice.2018.03.027)

1. *Binaymotlagh, R; Farrokhpour, H; Hadadzadeh, H; Mirahmadi-Zare, SZ;Amirghofran, Z*

*Combined Experimental and Computational Study of the In Situ Adsorption of Piroxicam Anions on the Laser-Generated Gold Nanoparticles,****JOURNAL OF PHYSICAL CHEMISTRY C,******121(15): 8589-8600 2017***

1. *Manivel, P; Ilanchelian, M*

*Selective and Sensitive Colorimetric Detection of Hg2+ at Wide pH Range Using Green Synthesized Silver Nanoparticles as Probe,* ***JOURNAL OF CLUSTER SCIENCE, 28(3): 1145-1162 2017***

1. *Bricks, JL; Slominskii, YL; Panas, ID; Demchenko, AP*

*Fluorescent J-aggregates of cyanine dyes: basic research and applications Review*

***METHODS AND APPLICATIONS IN FLUORESCENCE, 2017,*** [***https://doi.org/10.1088/2050-6120/aa8d0d***](https://doi.org/10.1088/2050-6120/aa8d0d)

1. *Laban, B; Košanin, M: Isić, G; Ralević, U; Marković, M; Jokić, A, Vasić, V*

*Preparation of silver and copper nanoparticles in presence of ascorbic acis and investigatio og their antibacterial activity,* ***University thought, Publication in Natural Sciences, 2017,* *DOI: 10.5937/univtho7-14762***

1. *Montero, JO;Rios de la Rosa, JM;Sayagues, MJ; Zaderenko, AP*

*Solvent assisted in situ synthesis of cysteamine-capped silver nanoparticles*

***ADVANCES IN NATURAL SCIENCES: NANOSCIENCE AND NANOTECHNOLOGY, 2017,*** ***DOI:10.1088/2043-6254/aa9de9***

1. *Rodríguez, M. Rodrigo, J*

*Molecular Self-Assembly for the preparation of novel nanostructured materials.*

***Doctoral dissertation,*** [***Farmàcia i Ciències de l'Alimentació***](http://diposit.ub.edu/dspace/handle/2445/104787)***, Universitat de Barcelona, 2017,*** [***http://hdl.handle.net/2445/107576***](http://hdl.handle.net/2445/107576)

1. *Balakrishnan,M; Sudip, M;, Chitta ranjan, P;* [*Parameswar, K*](https://www.researchgate.net/profile/Parameswar_Iyer)

*Amplified Fluorescence from Polyfluorene Nanoparticles with Dual state Emission and Aggregation Caused Red Shifted Emission for Live Cell Imaging and Cancer Theranostics,* ***ACS APPLIED MATERIALS & INTERFACES, 8(47): 32220-32229 2016***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Aslandaş, AM; Metin, Ö; Acar, M; Onganer, Y; Meral, K*

*The interaction of fluorescent Pyronin Y molecules with monodisperse silver nanoparticles in chloroform.*

***JOURNAL OF MOLECULAR STRUCTURE, 1103(21843): 212-216 2016***

1. *Streckaitė, S*

*Sidabro nanodalelių formavimas ir jų įtaka organinių medžiagų optinėms savybėms****Doctoral dissertation, Vilnius University, 2016,*** ***https://scholar.google.com/scholar?oi=bibs&hl=sr&authuser=1&cites=18373947917433669902***

1. *Bahram, M., Alizadeh, S., & Madrakian, T*

*Application of AgNPs for Simple and Rapid Spectrophotometric Determination of Acetaminophen and Gentamicin in Real Samples.****SENSOR LETTERS, 14(2): 127-133 2016***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana* ***Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Dastafkan, K; Khajeh, M.; Bohlooli, M; Ghaffari-Moghaddam, M; Sheibani, N*

*Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent,****TALANTA, 144: 1377-1386 2015***

**53.** Vukoje, ID; Džunuzović, ES;**Vodnik**,**VV;** Dimitrijević, S; Ahrenkiel, SP; Nedeljković, JM

*Synthesis, characterization, and antimicrobial activity of poly(GMA-co-EGDMA) polymer decorated with silver nanoparticles,* **JOURNAL OF MATERIALS SCIENCE, 49 (19): 6838-6844 2014**

1. *Rehman Kashif, MU;Sohail, M,...& Kousar, M*

*Nose-to-brain delivery of nano-engineered biomaterials for effective targeting to the brain*

***INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, 2024, DOI: 10.1080/00914037.2024.2383412***

1. *Lazić, V; Nedeljković, JM; Kokol, V*

*Antimicrobial Activity of Amino-Modified Cellulose Nanofibrils Decorated with Silver Nanoparticles*

***JOURNAL OF FUNCTIONAL BIOMATERIALS 15(10):304 2024***

1. *Tadić. T; Marković, B; ...& Onjia, A*

*Fast Gold Recovery from Aqueous Solutions and Assessment of Antimicrobial Activities of Novel Gold Composite*

***METALS 13(11):1864 2023***

1. *Sohail, M; Khan, SA;...& Mohsin, S*

*Chitosan/guar gum-based thermoreversible hydrogels loaded with pullulan nanoparticles for enhanced nose-to-brain drug delivery.****INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES,2022,DOI: 10.1016/j.ijbiomac.2022.06.161***

1. *Mousavi-Fard, B; Pourestarabadi, S; Dehestani, M*

*Effect of silver ion on Bis-GMA structure: computational chemistry study*

***CHEMICAL PAPERS- SLOVAK ACADEMY OF SCIENCES, 2022, DOI: 10.1007/S11696-022-02402-X***

1. *Sredojević, D; Lazić, V;...& Nedeljković, JM*

*Toxicity of Silver Nanoparticles Supported by Surface-Modified Zirconium Dioxide with Dihydroquercetin*

***NANOMATERIALS 2022, 12(18): 3195 2022***

1. *Yang, Y; Li, M; Fu, S*

*Use of highly-stable and covalently bonded polymer colorant on binder-free pigment printing of citric acid treated cotton fabric,* ***CELLULOSE, 2021, https://doi.org/10.1007/s10570-020-03644-2***

1. *Pan, XH; Fu, LX;…& Zu, JH*

*Synthesis of novel sulfydryl-functionalized chelating adsorbent and its application for selective adsorption of Ag (I) under high acid.,* ***SEPARATION AND PURIFICATION TECHNOLOGY,2021,*** ***https://doi.org/10.1016/j.seppur.2021.118778***

1. *Veličić, Z; Rusmirović, J....&Marinković, AD*

*The optimization of glycidyl methacrylate based terpolymer monolith synthesis: an effective Candida rugosa lipase immobilization support,****JOURNAL OF POLYMER RESEARCH, 2020, DOI: 10.1007/s10965-020-02127-z***

1. *Lazić, V;Vivod,V;...& Kokol, V*

*Dextran-coated silver nanoparticles for improved barrier and controlled antimicrobial properties of nanocellulose films used in food packaging,****FOOD PACKAGING AND SHELF LIFE, 26: 100575 2020***

1. *Gonzales, G*

*Vat 3D printable materials and post-3D printing procedures for the development of engineered devices for the biomedical field*

***Doctoral thesis, Politecnico di Torino, 2020, DOI: 10.5281/zenodo.5809370***

1. *Lazić, V; Mihajlovski, A; Mraković, A;....& Nedeljković, J*

*Antimicrobial activity of silver nanoparticles supported by magnetite,****CHEMISTRY SELECT 4(14):4018-4024 2019***

1. *Miljkvoć, M;Lazić, V;...˛&Nedeljković, JM*

*Selective Antimicrobial Performance of Biosynthesized Silver Nanoparticles by Horsetail Extract Against E. coli*

***JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2019, doi:10.1007/s10904-019-01402-x***

1. *Gorbunova, M; Lemkina, L; Eroshenko, D; Gileva, K*

*N -vinylpyrrolidone copolymers decorated with silver nanoparticles for biomedical applications*

***POLYMERS FOR ADVANCED TECHNOLOGIES, 30(2): 336-343 2019***

1. *Kim, S; Lee, TG*

*Removal of Cr (VI) from aqueous solution using functionalized poly (GMA-co-EGDMA)-graft-poly (allylamine).*

***REACTIVE AND FUNCTIONAL POLYMERS, 134: 133-140 2019***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Vukoje, ID; Džunuzović, E S; Dimitrijević-Branković, S.; Ahrenkiel, S P; Nedeljković, JM*

*Size-dependent antibacterial properties of Ag nanoparticles supported by amino-functionalized poly(GMA- co -EGDMA) polymer,* ***POLYMER COMPOSITES, 2018, DOI: 10.1002/pc.25120***

1. *Lazić, V; Smičiklas, I; Marković, J; Lončarević, D; Dostanić, J; Ahrenkiel, SP; Nedeljković, J M*

*Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid.*

***VACUUM, 148: 62-68 2018***

1. *Jędrzejczyk, RJ; Turnau, K; Chlebda, DK; Pawcenis, D; Jodłowski, P J; Przybysz, P; ... & Łojewska, J*

*Paper material containing Ag cations immobilised in faujasite: synthesis, characterisation and antibacterial effects.*

***CELLULOSE, 25(2): 1353-1364 2018***

1. *Ten-Domenech, I; Perez, HM;...&Martinez, JMH*

*Polymer-based materials modified with magnetite nanoparticles for enrichment of phospholipids*

***TALANTA, 2017, DOI: 10.1016/j.talanta.2017.12.042***

1. *Meseguer-Lloret, S; Torres-Cartas, S; Catalá-Icardo, M; Simó-Alfonso, EF; Herrero-Martínez, JM*

*Extraction and preconcentration of organophosphorus pesticides in water by using a polymethacrylate-based sorbent modified with magnetic nanoparticles.****ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 2017, doi:10.1007/s00216-017-0294-x***

1. *Özkaleli, M; Erdem, A*

*Factors promoting Staphylococcus auerus disinfection by TiOo2, SiO2 and Ag nanoparticles.*

***THE ONLINE JOURNAL OF SCIENCE AND TECHNOLOGY, 7(2): 51-55 2017***

1. *Deng, CH; Gong, J L; Zeng, GM; Zhang, P; Song, B; Zhang, X G; Liu, HY; Huan, SY*

*Graphene sponge decorated with copper nanoparticles as a novel bactericidal filter for inactivation of Escherichia coli.****CHEMOSPHERE, 2017,*** [***https://doi.org/10.1016/j.chemosphere.2017.05.118***](https://doi.org/10.1016/j.chemosphere.2017.05.118)

1. *Khalil, AM; Rabie, ST*

*Antimicrobial behavior and photostability of polyvinyl chloride/1‐vinylimidazole nanocomposites loaded with silver or copper nanoparticles****JOURNAL OF VINYL AND ADDITIVE TECHNOLOGY, 23(S1), 2017, DOI: 10.1002/vnl.21588***

1. *Vukoje, ID*

*Sinteza, karakterizacija i primena nanočestica srebra na makroporoznom polimernom nosaču*

***Doctoral dissertation, TMFBeograd, 2017, http://uvidok.rcub.bg.ac.rs/bitstream/handle/123456789/2103/Doktorat.pdf***

1. *Mane, S*

*Synthesis of conducting polymer/metal nanocomposite for biological applications,*

***Thesis for M.Sc., Savitribai Phule Pune University, India,2017,***

***https://www.researchgate.net/publication/341099152synthesis\_of\_conducting\_polymermetal\_nanocomposite\_for\_biological\_applications***

1. *Dell’Erba, IE; Mansilla, AY; Hoppe, C E; Williams, R JJ*

*Synthesis and characterization of an antibacterial powder based on the covalent bonding of aminosilane-stabilized silver nanoparticles to a colloidal silica.,****JOURNAL OF MATERIALS SCIENCE, 51 (8): 3817-3823 2016***

1. [*Pandey*](https://www.researchgate.net/profile/Pratima_Pandey6)*, PP*

*Nano-biomaterials in Antimicrobial Therapy*

***CHAPTER In book: Recent Advances in Biopolymers,, Chapter: Nano-biomaterials in Antimicrobial Therapy, Publisher: Intech Open Publisher,, Editors: Farzana Khan Parveen, pp.16, 2016,* *DOI: 10.5772/61959***

1. *Vukoje,I; Kovač,T; Džunuzović,JV; Džunuzović,ES; Lončarević,D;Ahrenkiel,SP; Nedeljković,JM*

[*Photocatalytic Ability of Visible-Light Responsive TiO2 Nanoparticles*](http://pubs.acs.org/doi/abs/10.1021/acs.jpcc.6b04293)

***JOURNAL OF PHYSICAL CHEMISTRY C, 2016, DOI: 10.1021/acs.jpcc.6b04293***

1. *Joardar, S; Ray, S; Samanta, S; Bhattacharjee, P*

*Antibacterial activity of 3, 6-di (pyridin-2-yl)-1, 2, 4, 5-s-tetrazine capped Pd (0) nanoparticles against Gram-positive Bacillus subtilis bacteria.,****COGENT BIOLOGY, 2(1), Article 1249232, 2016***

1. *Khalil, AM; Rabie, ST*

*Antimicrobial behavior and photostability of polyvinyl chloride/1‐vinylimidazole nanocomposites loaded with silver or copper nanoparticles,* ***JOURNAL OF VINYL AND ADDITTIVE TECHNOLOGY, 2016,* *DOI: 10.1002/vnl.21588***

1. *Taleb, K., Markovski, J; Milosavljević, M; Marinović-Cincović, M; Rusmirović, J; Ristić, M; Marinković, A*

*Efficient arsenic removal by cross-linked macroporous polymer impregnated with hydrous iron oxide: Material performance,* ***CHEMICAL ENGINEERING JOURNAL, 279: 66-78 2015***

1. *Vukoje, ID; Džunuzović, E S; Lončarević, DR; Dimitrijević, S.; Ahrenkiel, S P; Nedeljković, JM*

*Synthesis, characterization, and antimicrobial activity of silver nanoparticles on poly (GMA‐co‐EGDMA) polymer support.,****POLYMER COMPOSITES, 2015, DOI: 10.1002/pc.23684***

1. [*Chen, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=41461081700&zone=)[*Hu, B;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55915952000&zone=)[*Xing, X;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=8928006300&zone=) *Liu,Z;* [*Zuo, Y;*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=55803020700&zone=)[*Xiang, Q*](http://www.scopus.com/authid/detail.url?origin=resultslist&authorId=36115537800&zone=)

[*Preparation of grafted cationic polymer/silver chloride modified cellulose fibers and their antibacterial properties*](http://www.scopus.com/record/display.url?eid=2-s2.0-84927130997&origin=resultslist&sort=plf-f&cite=2-s2.0-84904760938&src=s&imp=t&sid=A309BDE87C7164DF7EF8A41F8624340C.ZmAySxCHIBxxTXbnsoe5w%3a200&sot=cite&sdt=a&sl=0&relpos=1&relpos=1&citeCnt=0&searchTerm=)

***JOURNAL OF APPLIED POLYMER SCIENCE, 132 (25) 42092 2015***

**54.** Vukoje, I; Lazić, V; **Vodnik, V**; Mitrić, M; Jokić,B; Ahrenkiel, SP; Nedeljković, JM;Radetić,M

*The influence of triangular silver nanoplates on antimicrobial activity and color of cotton fabrics pretreated with chitosan,* **JOURNAL OF MATERIALS SCIENCE, 49 (13): 4453-4460 2014**

1. *Zhang, Z; Xue, T;...&Yang, Z*

*Precise Size Control and Low-Temperature Sintering Properties of Silver Nanoplates*

***JOURNAL OF ALLOYS AND COMPOUNDS, 2025, DOI: 10.1016/j.jallcom.2025.180284***

1. *Quiroga-Vergel, A, Grimaldo, DC;...& Torrado, CC*

*Nanofibers for Surface Modification of Cotton Textile,* ***CHEMICAL ENGINEERING TRANSACTIONS 114:1105-1110 2024***

1. *Hussain, Z; Thu, HE; ...&Sohail, M*

*Recent developments and advanced strategies for promoting burn wound healing*

***JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY. 68(5):103092 2022***

1. *Jiang, S; Cui, C;, ... & Guo, R*

*Shape-controlled silver nanoplates colored fabric with tunable colors, photothermal antibacterial and colorimetric detection of hydrogen sulfide****. JOURNAL OF COLLOID AND INTERFACE SCIENCE, 626: 1051-1061 2022***

1. *Ray, P; Lodha, T;... & Ramana, CV*

*Particle specific physical and chemical effects on antibacterial activities: A comparative study involving gold nanostars, nanorods and nanospheres.* ***COLLOIDS AND SURFACES A: Physicochemical and Engineering Aspects, 634, 127915 2022***

1. *Sathiyaseelan, A; Saravanakumar, K; Wang, MH*

*Bimetallic silver-platinum (AgPt) nanoparticles and chitosan fabricated cotton gauze for enhanced antimicrobial and wound healing applications*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2022,DOI: 10.1016/j.ijbiomac.2022.09.045***

1. *Kowalczyk, P;* *Szymczak, M...& Pietryga, IF*

*All That Glitters Is Not Silver—A New Look at Microbiological and Medical Applications of Silver Nanoparticles*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 22(2):854 2021, DOI: 10.3390/ijms22020854***

1. *Shaheen, TI; Fouda, A; Salem, SS*

*Integration of Cotton Fabrics with Biosynthesized CuO Nanoparticles for Bactericidal Activity in the Terms of Their Cytotoxicity Assessment.****INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 60(4):1553-15632021***

1. *Chang, CH; Lee, YH;… & Lin, JJ*

*Composition of nanoclay supported silver nanoparticles in furtherance of mitigating cytotoxicity and genotoxicity.*

***PLOS ONE, 16(2): E0247531 2021***

1. *Garcia, E. L. L., Attallah, O. A., Mojicevic, M., Devine, D. M., & Brennan Fournet, M*

*Antimicrobial Active Bioplastics Using Triangular Silver Nanoplate Integrated Polycaprolactone and Polylactic Acid Films.* ***MATERIALS, 14(5): 1132 2021***

1. *Hasan, KMF; Horvath, PG...&Alpar, T*

*Colorful and facile in situ nanosilver coating on sisal/cotton interwoven fabrics mediated from European larch heartwood*

***SCIENTIFIC REPORTS 11(1):22397 2021***

1. *Ray, P; Lodha, T;...& Ramana, CV*

*Particle Specific Physical and Chemical Effects on Antibacterial Activities: A Comparative Study Involving Gold Nanostars, Nanorods and Nanospheres* ***COLLOIDS AND SURFACES A PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 2021, DOI: 10.1016/j.colsurfa.2021.127915***

1. *Hussain, Z; Thu, HE;... & Sarfraz, RM*

*Nanotherapeutics for Enhancing Burn Wound Healing.*

***In Functional Nanomaterials for Regenerative Tissue Medicines, CRC Press. pp. 263-310, 2021.***

1. *Salem, SS*

*Bactericidal and In-Vitro Cytotoxic Efficacy of Silver Nanoparticles (Ag-NPs) Fabricated by EndophyticActinomycetes and Their Use as Coating for the Textile Fabrics* ***NANOMATERIALS, 10: 2082 2020***

1. *Guo, Z; Chen, Y;...& Wang, X*

*Advances and challenges in metallic nanomaterial synthesis and antibacterial application*

***JOURNAL OF MATERIALS CHEMISTRY B, 2020, DOI: 10.1039/D0TB00099J***

1. *Prakash, J*

*Silver Nanostructures, Chemical Synthesis Methods, and Biomedical Applications*

***In book: Applications of Nanotechnology for Green Synthesis, 2020, DOI: 10.1007/978-3-030-44176-0\_11***

1. *Eid, A, Fouda, A; ....&Shaheen, TI*

*Endophytic Streptomyces laurentii Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties,* ***ANTIBIOTICS 9(10):641 2020, DOI: 10.3390/antibiotics9100641***

1. *Lazić, V;Vivod,V;...& Kokol, V*

*Dextran-coated silver nanoparticles for improved barrier and controlled antimicrobial properties of nanocellulose films used in food packaging,* ***FOOD PACKAGING AND SHELF LIFE, 26: 100575 2020***

1. *Salem, SS; EL-Belely, EF;... & Fouda, A*

*Bactericidal and In-Vitro Cytotoxic Efficacy of Silver Nanoparticles (Ag-NPs) Fabricated by Endophytic Actinomycetes and Their Use as Coating for the Textile Fabrics. ,* ***NANOMATERIALS, 10(10): 2082 2020***

1. *Liao, C; Li, Y; Tjong, S*

*Bactericidal and Cytotoxic Properties of Silver Nanoparticles*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 20(2):449, 2019, DOI: 10.3390/ijms20020449***

1. *Hai, AM;Ahmed, M; Afzal, A, Fahem, MS*

*Characterization and antibacterial property of Kapok fibers treated with chitosan/AgCl–TiO 2 colloid*

***JOURNAL OF THE TEXTILE INSTITUTE, 110(1): 100-104 2019***

1. *Liu, L; Ping, E; Sun, J; Zhang, L; Zhou, Y; Zhong, Y;... & Wang, YA*

*Multifunctional Ag@ MOF-5@ chitosan non-woven cloth composites for sulfur mustard decontamination and hemostasis. ,* ***DALTON TRANSACTIONS, 2019, DOI: 10.1039/C9DT00503J***

1. *Marković, D; Jokić, B;.. & Radetić, M.*

*Influence of 1, 2, 3, 4-butanetetracarboxylic acid concentration on in situ synthesis of cuo/cu2o nanoparticles on cotton and viscose rayon fabrics.,* ***CELLULOSE CHEM. TECHNOL., 53 (7-8), 805-813 2019***

1. *Markovic, D; Jokić, B;...Radetić, M*

*Influence of 1,2,3,4-butanetetracarboxylic acid concentration on in situ synthesis of cuo/cu2o nanoparticles on cotton and viscose rayon fabrics,* ***CELLULOSE CHEMISTRY AND TECHNOLOGY 53(7-8):805-813 2019***

1. *Lazić, V; Nedeljković, J*

*Organic–Inorganic Hybrid Nanomaterials: Synthesis, Characterization, and Application*

***In book:* *Nanomaterials Synthesis. 2019, DOI: 10.1016/B978-0-12-815751-0.00012-2***

1. *Davidović, SZ*

*Primena dekstrana iz bakterija mlečne kiseline za sintezu nanočestica srebra i proizvodnju jestivih filmova*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2019***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***Chapter In Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

1. *Moqeet Hai, A., Ahmed, M., Afzal, A., Jabbar, A. and Faheem, S*

*Characterization and antibacterial property of Kapok fibers treated with chitosan/AgCl–TiO2 colloid.*

***THE JOURNAL OF THE TEXTILE INSTITUTE, 110.1: 100-104******2019***

1. *D’Agostino, A; Taglietti, A; Desando, R; Bini, M; Patrini, M; Dacarro, G; Cucca, L; Pallavicini, P; Grisoli, P*

*Bulk Surfaces Coated with Triangular Silver Nanoplates: Antibacterial Action Based on Silver Release and Photo-Thermal Effect.,* ***NANOMATERIALS, 7(1), 7 2017, doi:***[***10.3390/nano7010007***](http://dx.doi.org/10.3390/nano7010007)

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Vukoje, ID*

*Sinteza, karakterizacija i primena nanočestica srebra na makroporoznom polimernom nosaču*

***Doctoral dissertation, Univerzitet u Beogradu-Tehnološko-metalurški fakultet, 2017, http://uvidok.rcub.bg.ac.rs/bitstream/handle/123456789/2103/Doktorat.pdf?sequence=1***

1. *Simončič, B; Klemenčič, D*

*Preparation and performance of silver as an antimicrobial agent for textiles: A review.*

***TEXTILE RESEARCH JOURNAL, 86 (2): 210-223 2016***

1. *Hong, X; Wen, J; Xiong, X; Hu, Y*

*Shape effect on the antibacterial activity of silver nanoparticles synthesized via a microwave-assisted method.*

***ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 23 (5): 4489-4497 2016***

1. *Deng, YM; Wang, SF; Wang, SJ*

*Study on antibacterial and comfort performances of cotton fabric finished by chitosan-silver for intimate apparel.*

***FIBERS AND POLYMERRS, 17(9): 1384-1390 2016***

1. *Shaheen HM*

*Wound healing and silver nanoparticles****GLOBAL DRUGS AND THERAPEUTICS, 1(1): 1-2 2016 doi: 10.15761/GDT.1000105***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana* ***Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

1. *Davidović, S; Miljković, M; Lazić, V; Jović, D; Jokić, B; Dimitrijević, S; Radetić, M*

*Impregnation of cotton fabric with silver nanoparticles synthesized by dextran isolated from bacterial species Leuconostoc mesenteroides T3,* ***CARBOHYDRATE POLYMER, 131: 331–336 2015***

1. *Audoit, J; Laffont, L; Lonjon, A; Dantras, E; Lacabanne, C*

*Percolative silver nanoplates/PVDF nanocomposites: bulk and surface electrical conduction.*

***POLYMER, 78: 104–110 2015***

**55.** **Vodnik, V.V**; Džunuzović, E.S; Džunuzović, JV

*Synthesis and Characterization of Polystyrene Based Nanocomposites,*

**Chapter in book: Polystyrene: Synthesis, Characteristics and Applications, Nova Science Publishers, Editor: Cole Lynwood, Inc. New York, ISBN: 978-1-63321-356-2, pp. 201-240, 2014 https://www.novapublishers.com/catalog/product\_info.php?products\_id=50410.**

1. *Singh, A; Chauhan, A; Gaur, R*

*A comprehensive review on the synthesis, properties, environmental impacts, and chemiluminescence applications of polystyrene (PS).* ***DISCOVER CHEMISTRY 2025, DOI: 10.1007/s44371-025-00125-y***

1. *Kadhim, AK; Hashim, A*

*Recent review on metal oxides nanostructures doped polystyrene for biological and industrial applications*

***WORLD JOURNAL OF ADVANCED RESEARCH AND REVIEWS, 17(03): 412–423 2023***

1. *Sánchez Vergara, ME; Mendez, JAH;...& Flores, OL*

*Influence of the Polymeric Matrix on the Optical and Electrical Properties of Copper Porphine-Based Semiconductor Hybrid Films,* ***POLYMERS 15(14):3125 2023***

1. *Túquerres Guerrero, EG*

*Síntesis y caracterización de microesferas poliméricas: estudio del efecto de los estabilizantes inorgánicos sobre la morfología, tamaño y distribución de tamaños de microesferas de poliestireno obtenidas por polimerización en suspension*

***Bachelor's thesis, Quito: EPN, 2022, http://bibdigital.epn.edu.ec/handle/15000/23148***

1. *Yadav, S; Mattaparthi, S;... & Sharma, CS*

*Recycling of thermoplastic polystyrene waste using citrus peel extract for oil spill remediation.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 136(33): 47886 2019***

1. *Uflyand, I; Dzhardimalieva, G*

*Thermolysis of Metal Chelates in Polymer Matrices* ***Chapter In book: Nanomaterials Preparation by Thermolysis of Metal Chelates, pp.425-458, 2018,*** [***DOI: 10.1007/978-3-319-93405-1\_6***](http://dx.doi.org/10.1007/978-3-319-93405-1_6)

1. *Hamzah, MQ; Jabbar, AH; Mezan, SO*

*Fabrications of PS/TiO2 nanocomposite for solar cells applications*

***AIP Conference Proceedings 2151(1):020011 2019, DOI: 10.1063/1.5124641***

**56.** Bogdanović, U; **Vodnik, VV**; Mitrić, M; Dimitrijević, S; Škapin, SD; Žunič, V; Budimir, M; Stoiljković, M

*Nanomaterial with high antimicrobial efficacy - copper/polyaniline nanocomposite*

**ACS APPLIED MATERIALS & INTERFACES, 7 (3): 1955–1966 2015**

1. *Bakhet, S; Mardosaite, R;...& Tamulevičius, T*

*Virucidal Efficacy of Laser-Generated Copper Nanoparticle Coatings against Model Coronavirus and Herpesvirus*

***ACS APPLIED MATERIALS & INTERFACES, 2025, DOI: 10.1021/acsami.5c03330***

1. *Salama, E; El-Ela, FIA;...& Mahmoud, R*

*Eco-friendly innovation: Development of a multifunctional polyaniline-cuttlebone nanocomposite as a synergistic shield against doxorubicin-induced toxicity and a powerful antimicrobial agent.*

***RESULTS IN CHEMISTRY, 2025, DOI:10.1016/j.rechem.2025.102088***

1. *Lima, EMA; Ratkovski, GP;...& de Melo, CP*

*Spectroscopic, electrical, and cytocompatibility properties of luminescent (metal nanoparticle/polyaniline) composites*

***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, 2025, DOI: 10.1016/j.saa.2025.125910***

1. *Wang, X; He, L;...&Zhu, H*

*Non‐Covalent Interaction Induced Supramolecular Precipitate with Hetero‐Motif Polyionic Junction for Durable Antimicrobial Activity and Infected Wound Healing,* ***ADVANCED HEALTHCARE MATERIALS. 2025,DOI: 10.1002/adhm.202404791***

1. *Tayyab, M; Rahim, A;...&Sherin, L*

*Revolutionizing electrochemical sensing: Ultra-sensitive non-enzymatic detection of 4-aminophenol with a novel Cu-PANI nanocomposite,* ***JOURNAL OF WATER PROCESS ENGINEERING 75:107927 2025***

1. *Saha, K, Mandal, UK;Mandal, MM*

*Study on thermophysical properties of Cu-doped PANI nanofluid*

***JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, 2025, DOI: 10.1080/01932691.2025.2516722***

1. *Fu, H; Shewfelt, S;...& Gray, KA*

*Polyaniline-metal oxide coatings for biocidal applications: Mechanisms of activation and deactivation.*

***CHEMOSPHERE, 346:140543 2024***

1. *Manavi, F; Ghasri, MRA;,,,&Habibi, S*

*In Situ Green Synthesis of Copper(II) Oxide (CuO) and Maleic Anhydride Grafted Polypropylene (PP-MAH) for Highly Efficient Nanocatalysis in Tannery Wastewater Treatment*

***ENVIRONMENTAL SCIENCE: WATER RESEARCH & TECHNOLOGY, 2024, DOI: 10.1039/D3EW00795B***

1. *Carolin, FC; Kamalesh, T*

*Advances in stabilization of metallic nanoparticle with biosurfactants- A review on current trends*

***HELIYON, 2024, DOI: 10.1016/j.heliyon.2024.e29773***

1. *Mirzavand, P, Zagar, B; Pourreza N*

*Selective Detection of Glucose by Linear Sweep Voltammetry Using a Copper–Polyaniline Modified Glassy Carbon Electrode*

***RUSSIAN JOURNAL OF ELECTROCHEMISTRY 60(5):400-410 2024***

1. *Sebastian, J; Samuel JM*

*Prospect of electroactive poly (2-aminobenzoic acid) and poly (2-aminobenzoic acid)-nanocomposite-Fe2O3 as antibacterial agents and antioxidants.* ***POLYMER BULLETIN, 81(3):2565-81 2024***

1. *Afzia. N; Das, K;…& Ghosh, T*

*Nanocomposites in food packaging,* ***In book: Advancements in Nanotechnology for Food and Packaging, Elsevier, 2024 DOI: 10.1016/B978-0-443-21428-8.00008-4***

1. *Hussaini, AS*

*Development of functional materials based on new high content electron withdrawing groups terpolymer composites for potential applications,* ***International journal of Environmental Science and Technology, 2024, DOI: 10.1007/s13762-024-05993-y***

1. *Muñoz-López, J; Lopes, CD;…& Batalha, IL*

*Overview of nanotherapeutics for bacterial infections,* ***CHEMRXIV. 2024, doi:10.26434/chemrxiv-2024-fg0t***

1. *Natarajan, H; Alagundi, PM*

*Imparting antimicrobial activity in synthetic fabrics by high-temperature process*

***INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY 16(2):40-47 2024***

1. *Havryliuk, O; Rathee, G;...& Tzanov, T*

*Unveiling the Potential of CuO and Cu 2 O Nanoparticles against Novel Copper-Resistant Pseudomonas Unveiling the Potential of CuO and Cu 2 O Nanoparticles against Novel Copper-Resistant Pseudomonas Strains: An In-Depth Comparison*

***NANOMATERIALS 14(20):1644 2024***

1. *Ogwuegbu, MC;Olatunde, OC;...& Onwudiwe, DC*

*Green-Synthesis of CuO and Ce-Doped CuO Nanoparticles Using Aqueous Extract of Yam Peel and their Antimicrobial Properties,* ***HYBRID ADVANCES, 2024 DOI: 10.1016/j.hybadv.2024.100335***

1. *Sengupta, P*

*Biodegradability, Toxicity, Legal and Commercial Aspects, Safety Issues and Mitigations, and Environmental and Health Impacts of Antibacterial and Antiviral Functional Materials.*

***In book: Antibacterial and Antiviral Functional Materials, Volume 2 (pp. 361-401). American Chemical Society, 2024***

1. *Chithamparam, P; Naveenkumar, S;...& Kumaran, M*

*Biomedical Applications of Polymeric Nanoparticles Incorporated in the Tissue-Engineered Scaffolds*

***In book: New Technologies for Energy Transition Based on Sustainable Development Goals, 2024, DOI: 10.1007/978-981-97-2527-4\_6***

1. *Graham, C; Mezzadrelli, A;...& Pruneri, V*

*Towards transparent and durable copper-containing antimicrobial surfaces*

***COMMUNICATIONS MATERIALS, 2024, DOI: 10.1038/s43246-024-00472-w***

1. *Benaouda, B, Boucherdoud, A,..& Benderdouche, N*

*Polyaniline/cupric oxide organometallic nanocomposites as a sonocatalyst for the degradation of methylene blue: Experimental study, RSM optimization, and DFT analysis,* ***JOURNAL OF ORGANOMETALLIC CHEMISTRY 1022(12):123386 2024***

1. *Murtaza, S; Shah, SFH;...& Ma, YK*

*Starch-nanostructured-based active packaging for food applications*

***In book: Starch Based Nanomaterials for Food Packaging, 2024, DOI: 10.1016/B978-0-443-18967-8.00009-8***

1. *Elumalai, P*

*Polyaniline/gallic acid/cupric oxide nanocomposite with silver nanoparticles for increased photocatalytic degradation of 4-nitrophenol: structural, thermal and magnetic properties*

***DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES 19(1):459-473 2024***

1. *Pourmadadi, M; Holghoomi, R;...& Pandey S*

*Copper nanoparticles from chemical, physical, and green synthesis to medicinal application: A Review*

***PLANT NANO BIOLOGY, 2024, DOI: 10.1016/j.plana.2024.100070***

1. *Bekhit, M, Fathy, ES; Sharaf, A*

*Effect of gamma irradiation on properties of the synthesized PANI-Cu nanoparticles assimilated into PS polymer for electromagnetic interference shielding application****, SCIENTIFIC REPORTS, 2024, DOI: 10.1038/s41598-024-66356-8***

1. *Cunliffe, AJ*

*Developing a novel test method to determine the efficacy of antimicrobial materials*

***Doctoral dissertation, Manchester Metropolitan University, 2024,* *https://e-space.mmu.ac.uk/633979/***

1. *Banerjee, A; Ghosh, R;...&Pal. SK*

*Development of Nanomedicine from Copper Mine Tailing Waste: A Pavement towards Circular Economy with Advanced Redox Nanotechnology,* ***CATALYSTS, 13(2): 369 2023***

1. *Cui, B; Guo, C;..., & Zhang, Z*

*Photochromic performance of hydrogel based on deep eutectic solvent induced water soluble Cu-doped WO3 hybrids with antibacterial property.* ***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY, 435: 114320 2023***

1. *Soares, KSNT; Nascimento, SQ;...& Silva, WC*

*Structural, photoluminescent and electrochemical properties of self-assembled Co3[Co(CN)6]2/ZnO nanocomposite*

***INORGANICA CHIMICA ACTA, 2023, DOI: 10.1016/j.ica.2023.121473***

1. *Ramakoti, IS; Panda, AK; Gouda, N*

*A brief review on polymer nanocomposites: current trends and prospects*

***JOURNAL OF POLYMER ENGINEERING, 2023, DOI: 10.1515/polyeng-2023-0103***

1. *Khurshid, A; Saeed, A*

*Organic–organic mixed nanocomposites as anticorrosive coatings*

***In book: Smart Anticorrosive Materials, 2023, DOI: 10.1016/B978-0-323-95158-6.00001-1***

1. *Yixuan, HUAnG; Peng, YU;...&Chengyun, mInG*

*Synthesis and biomedical research progress of conductive polymer-based antibacterial composite materials.*

***MATERIALS HERALD, 37(9), pp.21090198-9 2023***

1. *Saravanan, H; Subramani, T;...&nSolomon, AP*

*Exploring nanocomposites for controlling infectious microorganisms: charting the path forward in antimicrobial strategies*

***FRONTIERS IN PHARMACOLOGY 14:1282073 2023***

1. *Shimpi, NG; Rodrigues, J; Jain, S*

*Photocatalytic nanoscale polymer-based coatings*

***In book: Polymer-Based Nanoscale Materials for Surface Coatings, 2023, DOI: 10.1016/B978-0-32-390778-1.00032-3***

1. *Chackrabarti, S; Zargar, RA;…&Hafiz, AK*

*Metal Oxide Nanocomposite Thin Films: Optical and Electrical Characterization*

***In book: Metal Oxide Nanocomposite Thin Films for Optoelectronic Device Applications, 2023, DOI: 10.1002/9781119865636.ch13***

1. *Sebastian, J; Samuel, JM*

*Prospect of electroactive poly(2-aminobenzoic acid) and poly(2-aminobenzoic acid)-nanocomposite-Fe2O3 as antibacterial agents and antioxidants,* ***POLYMER BULLETIN, 2023, DOI: 10.1007/s00289-023-04836-z***

1. *Yuan, Z; Li, Y;...& Zhang, Y,*

*Differential Analysis of Three Copper-Based Nanomaterials with Different Morphologies to Suppress Alternaria alternata and Safety Evaluation,* ***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 24(11):9673 2023***

1. *Song,Y; Yang, J;...&*

*Preparation of high efficient antibacterial non-woven by facile plasma-induced graft polymerizing of DADMAC*

***PLASMA SCIENCE AND TECHNOLOGY, 2023, DOI: 10.1088/2058-6272/acd32b***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive Green Metal‐polyaniline Nanocomposites: Synthesis and Application in Sensors.*

***ELECTROANALYSIS, 35(2), e202100636 2023***

1. *Li, X; Xu, X; Zhang, F*

*Antistatic and antibacterial two-component waterborne polyurethane coating.*

***JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, 20(3), 869-881 2023***

1. *Fu, H*

*Multifunctional Carbon-Metal Oxide Nanocomposites: From Synergistic Effects to Their Applications in Public Health Protection* ***Doctoral dissertation, Northwestern University, 2023,https://www.proquest.com/openview/182fff0195afd2923cf51099ba640106***

1. *Shurygina, IA, Myachina, GF;...&Dhurygin, MG*

*Evaluation of the Safety and Toxicity of the Original Copper Nanocomposite Based on Poly-N-vinylimidazole*

***NANOMATERIALS 12(1):16 2022, DOI: 10.3390/nano12010016***

1. *Kushwaha, VS; Sing, P; Shukla, SK*

*Transition Metal and Conducting Polymers Nanocomposite for Sensing of Environmental Gases*

***In book: Metal Nanocomposites for Energy and Environmental Applications, 471-487 2022***

1. *Xingfa, M; Li, C.;...& Li, G*

*Broadband Spectrum Light-Driven PANI/Au/Beta-Cyclodextrin Nanocomposite and Its Light-Triggered Interfacial Carrier Transfer,* ***COATINGS 12(10):1401 2022***

1. *Arjun, PNJ; Sankar, B;...&Shankar, B*

*Silver and Silver Nanoparticles for the Potential Treatment of COVID-19: A Review,* ***COATINGS 12(11):16792022***

1. *Cui, B; Guo, C;...&Zhang, Z*

*Photochromic performance of hydrogel based on deep eutectic solvent induced water soluble Cu-doped WO3 hybrids with antibacterial property,* ***Journal of Photochemistry and Photobiology A, 2022, DOI: 10.1016/j.jphotochem.2022.114320***

1. *Li, X; X, Xu; Zhang, F*

*Antistatic and antibacterial two-component waterborne polyurethane coating*

***JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, 2022, DOI: 10.1007/s11998-022-00708-9***

1. *Islam, H; Hoque, ME*

*Polymer nanocomposites for packaging*

***In book: Advanced Polymer Nanocomposites, 2022, DOI: 10.1016/B978-0-12-824492-0.00008-8***

1. *Amin, KF;* *Asrafuzzaman, A;...&Hoque, ME*

*Polymer nanocomposites for adhesives and coatings*

***In book: Advanced Polymer Nanocomposites, 2022, DOI: 10.1016/B978-0-12-824492-0.00014-3***

1. *Asrafuzzaman, F; Amin, KF...& Hoque, ME*

*Polymer nanocomposites for energy*

***In book: Advanced Polymer Nanocomposites, 2022, DOI: 10.1016/B978-0-12-824492-0.00007-6***

1. *Rabbani, M; Wadud, MSI; Hoque, ME*

*Polymer nanocomposites for microelectronic devices and biosensors*

***In book: Advanced Polymer Nanocomposites, 2022,*** ***DOI: 10.1016/B978-0-12-824492-0.00002-7***

1. *Mahlangu, T; Arunachellan, I;...& Maity A*

*Preparation of Copper-Decorated Activated Carbon Derived from Platamus occidentalis Tree Fiber for Antimicrobial Applications,* ***MATERIALS 15(17):5939 2022***

1. *Venkateshaiah, A; Černik, M; Padil, VVT*

*Metal Oxide Nanoparticles for Environmental Remediation,* ***In book: Nanotechnology for environmental remediation, 2022, doi: 10.1002/9783527834143.ch11***

1. *Zhan, J; Lei, Z; Zhang, Y*

*Non-covalent interactions of graphene surface: Mechanisms and applications,****CHEM, 2022, DOI: 10.1016/j.chempr.2021.12.015***

1. *Sun, M; Guo, W;…& Zhang, Q*

*Fast Tailoring of Gold Nanoflowers by An Interface-modified Reverse Microdroplet Strategy*

***COLLOIDS AND SURFACES A Physicochemical and Engineering Aspects, 2022, DOI: 10.1016/j.colsurfa.2022.128590***

1. *Jung, SY; Nah, BR;..&Yang, M*

*Improving wettability and adhesion of carbon cloth with polydopamine for a flexible supercapacitor*

***CARBON LETTERS, 2022, DOI: 10.1007/s42823-022-00321-1***

1. *Saleh, M. R., & El-Bery, H. M*

*Unraveling novel Cu/CuxP@ N-doped C composite as effective cocatalyst for photocatalytic hydrogen production under UV and visible irradiation,* ***APPLIED SURFACE SCIENCE, 580: 152280 2022***

1. *Saleh,MR; Ahmed, SM;...El-Bery, HM*

*Facile construction of self-assembled Cu@polyaniline nanocomposite as an efficient noble-metal free cocatalyst for boosting photocatalytic hydrogen production,* ***INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 47(9), 6011-6028 2022***

1. *Pradeep, H; Bindu, M;...&Periyat, P*

*Recent trends and advances in polyindole-based nanocomposites as potential antimicrobial agents: a mini review*

***RSC ADVANCES 12(13):8211-8227 2022***

1. *Prakash, J; Venkataprasanna, KS; Venkatasubbu, GD*

*Investigation on visible light-driven antimicrobial and mechanistic activity of GO/TiO 2 (V–N) nanocomposite against wound pathogens.* ***NEW JOURNAL OF CHEMISTRY, 2022, https://doi.org/10.1039/D2NJ01634F***

1. *Ma, X; Li, C;... & Li, G*

*Broadband Spectrum Light-Driven PANI/Au/Beta-Cyclodextrin Nanocomposite and Its Light-Triggered Interfacial Carrier Transfer.* ***COATINGS, 12(10): 1401 2022***

1. *Eyssa, H. M., Sadek, R. F., & Attia, R*

*Characterization of Antibacterial Fabric Nanocomposites Based on Silver/Copper Oxide and Polymer Blend with Electron Beam Radiation.* ***RESEARCH SQUARE, 2022, DOI: https://doi.org/10.21203/rs.3.rs-1755126/v1***

1. *Mathai, S; Shaji, PS*

*Polymer-Based Nanocomposite Coating Methods: A Review****. JOURNAL OF SCIENTIFIC RESEARCH, 14(3): 973-1002 2022***

1. *Nakhaie, D; Williams, TC;...Clifford, AM*

*An Engineered Nanocomposite Copper Coating with Enhanced Antibacterial Efficacy*

***ADVANCED MATERIALS INTERFACES, 2022, DOI: 10.1002/admi.202201009***

1. *Prakash, J*

*Investigation on Graphene Oxide Nanocomposite Incorporated Chitosan Patch for Enhanced Wound Healing*

***Doctoral dissertation, SRM institue of Scienece and Technology,2022, http://hdl.handle.net/123456789/45556***

1. *Γκορόγιας, Παναγιώτης*

*Valorisation of industrial waste and by-product streams for the development of nanomaterials with antimicrobial and antibacterial properties,* ***Thesis,2022,******https://apothesis.eap.gr/archive/item/169691?lang=en***

1. *Mosquera, MEG; Rosal, R;...& Amariei, G*

*Conjugated polymeric nanofibres with photoactivated antimicrobial activity for applications on photodisinfectable surfaces. ES 2 913 493 B2,* ***Patent: ES 2 913 493 B2, 2022***

1. *Qamar, H; Saeed, A; Khan, ZA*

*CuO Bionanocomposite with Enhanced Stability and Antibacterial Activity against Extended-Spectrum Beta-Lactamase Strains,* ***MATERIALS 14(21):6336 2021, DOI: 10.3390/ma14216336***

1. *Jia, S; Zhu, Q;…& Han, B*

*Hierarchical Metal–Polymer Hybrids for Enhanced CO2 Electroreduction.*

***ANGEWANDTE CHEMIE INTERNATIONAL EDITION, 60(19): 10977-10982 2021***

1. *Zhang, M; Han, S;...&Wang, K*

*Innovative Synthesis of PANI/Cu2O Nanocomposite and Its Antibacterial Properties*

***CHEMISTRYSELECT 6(47):13636-13641 2021***

1. *Kim, M; Kim, SH;… & Lee, SJ*

*Transparent, Water-Repellent, Antiviral, Antistatic, and Flexible Cu–Plasma-Polymerized Fluorocarbon Nanocomposite Thin Films.****ACS APPLIED MATERIALS & INTERFACES, 2021, https://doi.org/10.1021/acsami.0c21247***

1. *Alam, J; Shukla, AK;....&Alhoshan, M*

*Dye Separation and Antibacterial Activities of Polyaniline Thin Film-Coated Poly(phenyl sulfone) Membranes*

***MEMBRANES 11(1):25 2021, DOI: 10.3390/membranes11010025***

1. *Garcia, A; Rodriques, BE;...&Estay, H*

*Copper-Modiﬁed Polymeric Membranes for Water Treatment: A Comprehensive Review*

***MEMBRANES 11(2):93 2021,*** ***DOI: 10.3390/membranes11020093***

1. *Abdelnasir, S; Anwar, A; Anwar, A*

*Conducting Polymer-Based Nanocomposites Against Pathogenic Bacteria* ***In Advances in Hybrid Conducting Polymer Technology, Springer, Cham.* *2021, pp. 271-310,* *https://doi.org/10.1007/978-3-030-62090-5\_11***

1. *Goel, V;Tanwar, R; Mandal, UK*

*Performance Enhancement of Commercial Ultrafiltration Polysulfone Membrane via in‐situ Polymerization of Aniline using copper chloride as a catalyst.****JOURNAL OF CHEMICAL TECHNOLOGY & BIOTECHNOLOGY, 2:502-513 2021***

1. *Mousa, M; Dong, Y*

*PVA Bionanocomposite Films with Different Particle Shapes and Structures.*

***In book: Multiscaled PVA Bionanocomposite Films, Springer, pp. 83-114 2021***

1. *Varghese, N; ...&Nair, A*

*Nanocomposites of polymer matrices: Nanoscale processing*

***In book:Nanoscale Processing, 2021,* *DOI: 10.1016/B978-0-12-820569-3.00014-1***

1. *Jasni, AH*

*Fabrication of nanostructures by physical techniques*

***In book: Nanoscale Processing, Elsevier, 131-162, 2021, DOI: 10.1016/B978-0-12-820569-3.00005-0***

1. *Shahabuddin, S; Mazlan, NA;...&Pandey, AK*

*Intrinsically Conducting Polymer Based Nanocomposite in Photocatalytic Study*

***In book: Advances in Hybrid Conducting Polymer Technology, 2021, DOI: 10.1007/978-3-030-62090-5\_2***

1. *Rajeshkumar, S;* *Nandhini, NT;...&* *Roopanž, SM*

*Environment friendly synthesis copper oxide nanoparticles and its antioxidant, antibacterial activities using Seaweed (Sargassum longifolium) extract,****JOURNAL OF MOLECULAR STRUCTURE, 2021, DOI: 10.1016/j.molstruc.2021.130724***

1. *Ghosh, S; Gonzalez Mosquera, ME;...&Rosal, R*

*Conjugated polymer nanostructures displaying high photoactivated antimicrobial and antibiofilm functionalities*

***JOURNAL OF MATERIALS CHEMISTRY B, 2021, DOI: 10.1039/D1TB00469G***

1. *Idumah, C. I*

*Novel trends in conductive polymeric nanocomposites, and bionanocomposites.****SYNTHETIC METALS, 273(1): 116674 2021***

1. *Idumah, CI; Ezeani, EO; Nwuzor, IC*

*A review: advancements in conductive polymers nanocomposites.*

***POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 60(7), 756-783 2021***

1. *Baruah, S; Nayak, B; Puzari, A*

*Physicochemical characterization of SnO 2 grafted Poly p-phenylenediamine hybrid Nanocomposites and their enhanced antibacterial properties.* ***JOURNAL OF POLYMER RESEARCH, 28(4): 1-11 2021***

1. *Otmane, F; Triaa, S;... & Kara, F*

*Investigation of the Microwave Absorption Properties of Fe Based Nanocomposites.*

***In book: Defect and Diffusion Forum (Vol. 407, pp. 96-105). Trans Tech Publications Ltd. 2021***

1. *Shurygina, IA; Prozorova, GF; ... & Shurygin, MG*

*Evaluation of the Safety and Toxicity of the Original Copper Nanocomposite Based on Poly-N-vinylimidazole.*

***NANOMATERIALS, 12(1): 16 2021, https://doi.org/10.3390/nano12010016***

1. *Balasubramaniam, B; Ranjan, S; Thakur Kumar, V...&* *Kumar Gupta, R*

*Antibacterial and Antiviral Functional Materials: Chemistry and Biological Activity Towards Tackling COVID-19 like Pandemics,* ***ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE, 2021, DOI:pt-2020-001743.R2***

1. *Perumal, A; Kannan, S; Nallaiyan, R*

*Silver nanoparticles incorporated polyaniline on TiO2 nanotube arrays: A nanocomposite platform to enhance the biocompatibility and antibiofilm.* ***SURFACES AND INTERFACES, 22: 100892 2021***

1. *Nevezhina, AV; Fadeeva, TV*

*Prospects for the creation of antimicrobial preparations based on copper and copper oxides nanoparticles*

***ACTA BIOMEDICA SCIENTIFICA, 6(6-2):37-50 2021***

1. *Крпић, Ј*

*Природни хеџинг као стратегија заштите од робних и валутних ризика (примери компанија које се баве ископавањем и/или прерадом метала).* ***Doctoral dissertation, 2021, https://hdl.handle.net/21.15107/rcub\_nardus\_18345***

1. *Kausar, A*

*Anti-corrosion coatings derived from conducting polymeric nanocomposites,* ***In book: Conducting Polymer-based Nanocomposites: Fundamentals and Applications, Elsevier, 2021, DOI: 10.1016/B978-0-12-822463-2.00010-5***

1. *Said, RA; Hasan, MA; Abdelzaher, A;… & Abdel-Raoof, AM*

*Insights into the Developments of Nanocomposites for Its Processing and Application as Sensing Materials.*

***JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 167(3), 037549 2020***

1. *Mousa, M; Dong, Y*

*Towards Sophisticated 3D Interphase Modelling of Advanced Bionanocomposites via Atomic Force Microscopy*

***JOURNAL OF NANOMATERIALS 2020:4526108, DOI: 10.1155/2020/4526108***

1. *Mirmohseni, A; Rastgar, M; Olad, A*

*Effectiveness of PANI/Cu/TiO2 ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings,n****JOURNAL OF APPLIED POLYMER SCIENCE, 2020, DOI: 10.1002/app.48825***

1. *Singh, P; Shukla, SK*

*Structurally optimized cupric oxide/polyaniline nanocomposites for efficient humidity sensing.*

***SURFACES AND INTERFACES, 2020, https://doi.org/10.1016/j.surfin.2019.100410***

1. *Mousa, M; Dong, Y*

*The Role of Nanoparticle Shapes and Structures in Material Characterisation of Polyvinyl Alcohol (PVA) Bionanocomposite Films,****POLYMERS 12(2):264 2020, DOI: 10.3390/polym12020264***

1. *Shukla, SK; Singh,P*

*Structurally aligned nickel oxide encapsulated polypyrrole nanocomposite for hydrogen peroxide sensing*

***DALTON TRANSACTIONS, 2020, DOI: 10.1039/D0DT01847C***

1. *Koshvandi, ATK; Ahghari, MR, Maleki, A*

*Design and antibacterial activity assessment of “green” synthesized 1,4-disubstituted 1,2,3-triazoles via an Fe 3 O 4 /silicalite-1/PVA/Cu( i ) nanocomposite catalyzed three component reaction,****New journal of chemistry, 2020, doi: 10.1039/d0nj01984d***

1. *Zhang, J, Zhu, S; Song, K; ... & Zhang, Q*

*3D reduced graphene oxide hybrid nano-copper scaffolds with a high antibacterial performance.*

***MATERIALS LETTERS, 267: 127527, 2020, https://doi.org/10.1016/j.matlet.2020.127527***

1. *Monteiro, DR; Arias, L;....& Pessan, JP*

*Use of Nanoparticles to Manage Candida Biofilms*

***In book: nanoparticles and their biomedical applications, 2020, DOI: 10.1007/978-981-15-0391-7\_7***

1. *Shanmugam, R; Dayalan, S*

*Biomedical Applications of Zinc Oxide Nanoparticles Synthesized Using Eco-friendly Method*

***In book: nanoparticles and their biomedical applications, 2020, DOI: 10.1007/978-981-15-0391-7\_3***

1. *Raoof, A, Said, RAM*

*Review-Insights into the Developments of Nanocomposites for Its Processing and Application as Sensing Materials*

***JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 167(3):037549, 2020***

1. *Mondal, P; Guo, C; Yarger, JL*

*Water soluble gold-polyaniline nanocomposite: A substrate for surface enhanced Raman scattering and catalyst for dye degradation.* ***ARABIAN JOURNAL OF CHEMISTRY, 13(2), 4009-4018 2020***

1. *Rostami, M; Amini,K; Khairkhah, B*

*Detection of heavy metal resistance genes and the effect of nano-iron particles on their expression in Pseudomonas aeruginosa by Real time-PCR method.* ***IRAN SOUTHERN MEDICINE JOURNAL , 23 (1): 1-13 2020***

1. *Kumar, AM; Rathanasamy;...& Palaniappan, SK*

*Fabrication Methods of Organic/Inorganic Nanocomposite Coatings*

***In book: Polymer Coatings, 2020, DOI: 10.1002/9781119655145.ch2***

1. *Razali, MN;Ramli, NM; ...&Nour, AH*

*Coating and insulation effect using emulsified modification bitumen*

***CONSTRUCTION AND BUILDING MATERIALS 260:119764 2020, DOI: 10.1016/j.conbuildmat.2020.119764***

1. *Jayeoye, TJ; Rujiralai, T*

*Green, in situ fabrication of silver/poly (3-aminophenyl boronic acid)/sodium alginate nanogel and hydrogen peroxide sensing capacity,* ***CARBOHYDRATE POLYMERS, 2020, https://doi.org/10.1016/j.carbpol.2020.116657***

1. *Bezza, FA; Tichapondwa, SM; Chirwa, EM*

*Fabrication of monodispersed copper oxide nanoparticles with potential application as antimicrobial agents.*

***SCIENTIFIC REPORTS, 10(1), 1-18 2020***

1. *Pulit-Prociak, J; Staroń, A; Staroń, P;… & Banach, M*

*Preparation and of PVA-based compositions with embedded silver, copper and zinc oxide nanoparticles and assessment of their antibacterial properties.,****JOURNAL OF NANOBIOTECHNOLOGY, 18(1): 1-14 2020***

1. *Budimir, M; Szunerits, S; Markovic, Z; Boukherroub, R*

*Nanoscale materials for the treatment of water contaminated by bacteria and viruses.*

***In book: Nanomaterials for Sustainable Energy and Environmental Remediation, Elsevier, 261-305 2020***

1. *Burui, A; Roy, A;...&Patra C*

*Therapeutic Applications of Graphene Oxides in Angiogenesis and Cancers*

***In book: Nanoparticles and their Biomedical Applications, Springer, 2020, DOI: 10.1007/978-981-15-0391-7\_6***

1. *Chonat, A; Palatty, S*

*Tuning morphological and dielectric performance of a hybrid PANI-metal nanocomposite using p-TSA/binary transition metal compounds* ***JOURNAL OF MOLECULAR STRUCTURE, 1223:129000, 2020***

1. *Idumah, CI; Ezeani, EO; Nwuzor, IC*

*A review: advancements in conductive polymers nanocomposites.*

***POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 2020,* *https://doi.org/10.1080/25740881.2020.1850783***

1. *Abu-Thabit, NY*

*Electrically conducting polyaniline smart coatings and thin films for industrial applications****In:* *Advances in Smart Coatings and Thin Films for Future Industrial and Biomedical Engineering Applications******pp. 585-617 2020***

1. *Pramanik, S; Das, P*

*Metal-Based Nanomaterials and Their Polymer Nanocomposites.*

***In Nanomaterials and Polymer Nanocomposites, Elsevier, 91-121, 2019,* *https://doi.org/10.1016/B978-0-12-814615-6.00003-5***

1. *Azim Khalil El-Shamy, AGA*

*Polymer/Noble Metal Nanocomposites*

***In: Nanocomposites - Recent Evolutions, Intechopen, 2019, DOI: 10.5772/intechopen.79016***

1. *Benetti, G; Cavaliere, E; Brescia, R; Salassi, S; Ferrando, R.; Vantomme, A; ... & Van Bael, M*

*Tailored Ag-Cu-Mg multi-element nanoparticles for wide-spectrum antibacterial coating.****NANOSCALE, 11: 1626-1635 2019***

1. *Mirmohseni, A; Azizi, M; Dorraji, MSS*

*Facile synthesis of copper/reduced single layer graphene oxide as a multifunctional nanohybrid for simultaneous enhancement of antibacterial and antistatic properties of waterborne polyurethane coating.* ***PROGRESS IN ORGANIC COATINGS, 131: 322-332 2019***

1. *Porto, CL; Palumbo, F;... & Favia, P*

*Aerosol assisted atmopheric pressure PE-CVD of drug containing nano-capsules.*

***JAPANESE JOURNAL OF APPLIED PHYSICS, 2019, 59(SA), SA0801.***

1. *Singh, P; Shukla, SK*

*Structurally optimized cupric oxide/polyaniline nanocomposites for efficient humidity sensing.*

***SURFACES AND INTERFACES, 2019 ,100410, https://doi.org/10.1016/j.surfin.2019.100410***

1. *Ilangokumaran, M, Tiruvenkadam, N, Saranya, M, Thulsidharan, R*

*Selection of Wear Resistive Nan coating in En8 Steel.,****BULLETIN OF SCIENTIFIC RESEARCH, 1(2): 73-80 2019***

1. *Beltrán-Partida, E; Salas, BV; Salas, EV;.....& Nedev, N*

*Synthesis, Characterization, and In Situ Antifungal and Cytotoxicity Evaluation of Ascorbic Acid-Capped Copper Nanoparticles,* ***JOURNAL OF NANOMATERIALS, 2019(13, article 135101):1-10, DOI: 10.1155/2019/5287632***

1. *Yeganeh, M; Nguyen, TA*

*Methods for corrosion protection of metals at the nanoscale*

***In:* *Micro & Nano Technology Books: Advanced Nanomaterials Series (Elsevier), 2019, DOI: 10.31872/2019/KJNN-100123***

1. *Kang, M; DengY; ....& Zhang, Z*

*Sunlight-driven photochromic hydrogel based on silver bromide with antibacterial property and non-cytotoxicity*

***CHEMICAL ENGINEERING JOURNAL, 375( 1): 121994 2019***

1. *Mirmohseni, A; Rastgar, M; Olad, A*

*PANI‐chitosan‐TiO2 ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating,****JOURNAL OF APPLIED POLYMER SCIENCE, 2019,*** ***DOI: 10.1002/app.47629***

1. *Anju, C; Palatty, S*

*Effect of Mn2+ as a redox additive on ternary doped polyaniline-metal nanocomposite: an efficient dielectric material*

***JOURNAL OF MATERIALS SCIENCE MATERIALS IN ELECTRONICS, 2019, DOI: 10.1007/s10854-019-02484-6***

1. *Mirmohseni, A; Rastgar, M; Olad, A*

*Preparation of PANI–CuZnO ternary nanocomposite and investigation of its effects on polyurethane coatings antibacterial, antistatic, and mechanical properties.****JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, 8(4): 473-481 2019***

1. *Nguyen-Tri, P; Nguyen, TA, Rtimi, S*

*Nanomaterials-based coatings: an introduction*

***In: Nanomaterials Based CoatingsPublisher: Elsevier, 2019,*** ***DOI: 10.1016/B978-0-12-815884-5.00001-6***

1. *Edis, Z; Bloukh, SH;Ashames, A; Ibrahim, M*

*Copper-Based Nanoparticles, Their Chemistry and Antibacterial Properties: A Review*

***In: Chemistry for a Clean and Healthy Planet, 2019, DOI: 10.1007/978-3-030-20283-5\_24***

1. *Nikitin, D; Madkour, S; Pleskunov, P; Tafiichuk, R; Shelemin, A; ... & Titov, V*

*Cu nanoparticles constrain segmental dynamics of cross-linked polyethers: a trade-off between non-fouling and antibacterial properties.****SOFT MATTER, 2019, DOI: 10.1039/C8SM02413H***

1. *Femina, KS; Thomas, GV*

*Synthesis, Characterization and studies on photocatalytic and dielectric properties of Copper–Poly (1-Naphthylamine) Nanocomposite. ,****MATERIALS TODAY: PROCEEDINGS, 9: 120-126 2019***

1. *Ganganboina AB; Doong, R*

*Graphene Quantum Dots Decorated Gold-Polyaniline Nanowire for Impedimetric Detection of Carcinoembryonic Antigen,****SCIENTIFIC REPORTS, 2019, DOI: 10.1038/s41598-019-43740-3***

1. *Bai, W; Zhang, X; Zheng, J*

*In Situ Polymerization of Aniline on Morphology-Controlled Ultrafine Manganese Oxyhydroxide for High-Performance Electrochemical Sensing Applications* ***JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 166(8):H336-H342, 2019***

1. *Sadek, EF; Farrag, HA;...&Araby, E*

*A Powerful Nanocomposite Polymer Prepared From Metal Oxide Nanoparticles Synthesized via Brown Algae as Anti-corrosion and Anti-biofilm,****FRONTIERS IN MATERIALS, 2019, DOI: 10.3389/fmats.2019.00140***

1. *Gaweda, M; Dlugon, E;....& Sitarz, M*

*Polysiloxane-Multiwalled Carbon Nanotube Layers on Steel Substrate: Microstructural, Structural and Electrochemical Studies,****JOURNAL OF THE ELECTROCHEMICAL SOCIETY 166(13):D707-D717 2019***

1. *Shumakovich, GP; Khlupova, ME;.....& Yaropolov, AI*

*Laccase-Mediator Systems as a Tool for the Development of Antistatic/Anticorrosion Protective Coatings Based on Conducting Polyaniline,* ***APPLIED BIOCHEMISTRY AND MICROBIOLOGY 55(6):691-695 2019***

1. *Mohsen, RM; Morsi, SMM; Selim, MM;El-Sherif, HM*

*Electrical, thermal, morphological, and antibacterial studies of synthesized polyaniline/zinc oxide nanocomposites*

***POLYMER BULLETIN, 76(1): 1-21 2018***

1. *Vincent, M; Duval, RE; Hartemann, P; Engels‐Deutsch, M*

*Contact killing and antimicrobial properties of copper.****JOURNAL OF APPLIED MICROBIOLOGY, 124(5): 1032-1046 2018***

1. *Boomi, P; Raj, JA; Palaniappan, S P; Poorani, G; Selvam, S; Prabu, H G., & Langeswaran, VK*

*Improved conductivity and antibacterial activity of poly (2-aminothiophenol)-silver nanocomposite against human pathogens.****JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B: BIOLOGY, 178, 323-329 2018***

1. *Tatsi, K; Shaw, BJ; Hutchinson, TH; Handy RD*

*Copper accumulation and toxicity in earthworms exposed to CuOnanomaterials: Eﬀects of particle coating and soil ageing,* ***ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 166: 462–473 2018***

1. *Shukla, AK; Alam, J; Ansari, MA et al.*

*Antimicrobial and antifouling properties of versatile PPSU/carboxylated GO nanocomposite membrane against Gram-positive and Gram-negative bacteria and protein*

***ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2018,https://doi.org/10.1007/s11356-018-3212-7***

1. *Zhang, L; Du, W; Nautiyal, A; Liu, Z; Zhang, X*

*Recent progress on nanostructured conducting polymers and composites: synthesis, application and future aspects*

***SCIENCE CHINA MATERIALS, 2018, https://doi.org/10.1007/s40843-017-9206-4***

1. *Nguyen, TA; Nguyen-Tri, P; Carriere, P; Xuan, CN*

*Nanocomposite coatings: preparation, characterization, properties and applications.*

***INTERNATIONAL JOURNAL OF CORROSION (NANOCOMPOSITE COATINGS: RECENT DEVELOPMENTS AND APPLICATION), 2018, DOI:10.1155/2018/4749501***

1. *dos Santos, MR; Alcaraz-Espinoza, JJ; da Costa, MM; de Oliveira, HP*

*Usnic acid-loaded polyaniline/polyurethane foam wound dressing: preparation and bactericidal activity.*

***MATERIALS SCIENCE AND ENGINEERING: C, 89(1):33-40 2018***

1. *Zhou,W; Lu,L; Chen D; Ning, C*

*Construction of High Surface Potential Polypyrrole Nanorods with Enhanced Antibacterial Properties*

[***JOURNAL OF MATERIALS CHEMISTRY B***](https://www.researchgate.net/journal/2050-750X_Journal_of_Materials_Chemistry_B)***, 2018, DOI: 10.1039/C7TB03085A***

1. *Liang, X;* *Govindaraju, S;Yun, K*

*Dual Applicability of Polyaniline Coated Gold Nanorods: A Study of Antibacterial and Redox Activity*

***BIOCHIP JOURNAL, 2018, DOI: 10.1007/s13206-017-2206-8***

1. *Yong, C; Fei-Fei, S; Chun, FG; Yung-Hua, Z*

*Synthesis of CuNPs@Cu(II)-AMTD metal organic gel composites with high catalytic activities*

***CHINESE JUORNAL OF INORGANIC CHEMISTRY, 34(3):551-559 2018***

1. *Dobrovolný, K; Ulbrich,P; Švecová, M;Rimpelová,S; Malinčík,J; Kohout,M; Svoboda,J; Bartůněk,V*

*Copper nanoparticles in glycerol-polyvinyl alcohol matrix: In situ preparation, stabilisation and antimicrobial activity*

***JOURNAL OF ALLOYS AND COMPOUNDS, 697:147 – 155 2017***

1. *Chen, A; Peng, H; Blakey, I; Whittaker, AK*

*Biocidal polymers: a mechanistic overview.****POLYMER REVIEWS,******57(2): 276-310 2017***

1. *Kale, S. N., Kitture, R., Ghosh, S., Chopade, B. A., & Yakhmi, J. V*

*Nanomaterials as Enhanced Antimicrobial Agent/Activity-Enhancer for Transdermal Applications: A Review.*

***Chapter In book: ANTIMICROBIAL NANOARCHITECTONICS, pp. 279-321 2017***

1. *Nie, G; Lu, X; Wang, W; Chi, M; Jiang, Y; Wang, C*

*One-dimensional polyaniline thorn/BiOCl chip heterostructures: self-sacrificial template-induced synthesis and electrochemical performance.,****MATERIALS CHEMISTRY FRONTIERS, 2017, DOI:***[***10.1039/C6QM00232C***](http://dx.doi.org/10.1039/C6QM00232C)

1. *Li, Z., Zhang, B., Song, Y., Xue, Y., Wu, L., & Zhang, W*

*Single molecule study on polymer-nanoparticle interactions: the particle shape matters.*

***LANGMUIR, 2017, DOI: 10.1021/acs.langmuir.7b01698***

1. *Zhao, C; Liu, Y; Sun, Y; Ma, J; Zhu, Y; Sun, Z.,Wang, Z;Ding, L: Yang, G; Zhou, L*

*Nanomaterials for Adsorption and Heterogeneous Reaction in Water Decontamination.* ***Chapter In Nanotechnologies for Environmental Remediation (pp. 183-219). Springer International Publishing, 2017, DOI:10.1007/978-3-319-53162-5\_6***

1. *Deng, CH; Gong, J L; Zeng, GM; Zhang, P; Song, B; Zhang, X G; Liu,HY; Huan, SY*

*Graphene sponge decorated with copper nanoparticles as a novel bactericidal filter for inactivation of Escherichia coli.****CHEMOSPHERE, 184: 347-357 2017***

1. *Dhachanamoorthi, N; Chandra, L; Suresh, P; Perumal, K*

*Facile Preparation and Characterization of Polyaniline-iron Oxide Ternary Polymer Nanocomposites by Using" Mechanical Mixing" Approach. Mechanics,* ***MATERIALS SCIENCE & ENGINEERING MMSE JOURNAL. Open Access, 9, 2017,*** ***DOI:***[***10.2412/mmse.41.37.672***](http://dx.doi.org/10.2412/mmse.41.37.672)***, https://hal.archives-ouvertes.fr/hal-01504671/***

1. *Giannousi, K., Pantazaki, A., & Dendrinou-Samara, C*

*Copper-Based Nanoparticles as Antimicrobials.* ***In nanostructures for antimicrobial therapy, pp. 515-529 2017***

1. *Yang, L; Wu, W; Ohki, Y; Feng, Y; Li, S*

*Enhanced conductivity of polyaniline in the presence of nonionic amphiphilic polymers and their diverse morphologies*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2017, DOI: 10.1002/app.45547***

1. *Zhao, C; Liu, Y; Sun, Y; Ma, J; Zhu, Y; Sun, Z; ... & Zhou, L*

*Nanomaterials for Adsorption and Heterogeneous Reaction in Water Decontamination.* ***In Nanotechnologies for Environmental Remediatio . Springer, Cham. (pp. 183-219) 2017, https://doi.org/10.1007/978-3-319-53162-5\_6***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017,http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Mane, S*

*Synthesis of conducting polymer/metal nanocomposite for biological applications*

***Thesis for M.Sc., Savitribai Phule Pune University, India, 2017,*** ***https://www.researchgate.net/publication/341099152\_SYNTHESIS\_OF\_CONDUCTING\_POLYMERMETAL\_NANOCOMPOSITE\_FOR\_BIOLOGICAL\_APPLICATIONS***

1. *Peleyeju, G; Idris, A; ...&Arotiba, OA*

*Electrochemical detection of 2,4-dichlorophenol on a ternary composite of diamond, graphene and polyaniline electrode* ***CHEMELECTROCHEM, 2017. DOI: 10.1002/celc.201600621***

1. *Peng, Q; Mu, H*

*The potential of protein–nanomaterial interaction for advanced drug delivery*

[***JOURNAL OF CONTROLLED RELEASE,***](https://www.researchgate.net/journal/1873-4995_Journal_of_Controlled_Release)  ***225: 121-132 2016***

1. *Mondal, MK; Banerjee, PP;...&Chattopadhyay, A*

*Selective reduction technique (SRT): A robust method to synthesize bioactive Ag/Au doped Graphene Oxide.* ***MATERIALS & DESIGN, 102: 186-195 2016***

1. *Nguyen, DN; Yoon, H*

*Recent Advances in Nanostructured Conducting Polymers: from Synthesis to Practical Applications.****POLYMERS, 8(4):118 2016***

1. *Cloutier, M; Turgeon, S; Busby, Y; Tatoulian, M; Pireaux, JJ; Mantovani, D*

*Controlled distribution and clustering of silver in Ag-DLC nanocomposite coatings using a hybrid plasma approach.*

***ACS APPLIED MATERIALS & INTERFACES, 8 (32): 21020–21027 2016***

1. *Sharaf, S; Farouk, A; El-Hady, MA*

*Novel conductive textile fabric based on polyaniline and CuO nanoparticles*

***INTERNATIONAL JOURNAL OF PHARMTECH RESEARCH, 9(6): 461-472, 2016***

1. *Jiménez, A; Vargas, M; Chiralt, A*

*Antimicrobial nanocomposites for food packaging applications: novel approaches.*

***In Novel Approaches of Nanotechnology in Food, pp. 347-386 2016***

1. *Tamayo, L; Azócar, M; Kogan, M; Riveros, A; Páez, M*

*Copper-polymer nanocomposites: An excellent and cost-effective biocide for use on antibacterial surfaces.* ***MATERIALS SCIENCE AND ENGINEERING: C, 69: 1391-1409 2016***

1. *Reddy, KR; Karthik, KV; Prasad, SB; Soni, SK; Jeong, HM; Raghu, AV*

*Enhanced photocatalytic activity of nanostructured titanium dioxide/polyaniline hybrid photocatalysts.* ***POLYHEDRON, 120: 169-174 2016***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Mahto, KT; Chandra, S; Haldar, C; Sahu, SK*

*Kinetic and Thermodynamic Study of Polyaniline Functionalized Magnetic Mesoporous Silica for Magnetic Field Guided Dye Adsorption.,* ***RSC ADVANCES, 5(59): 47909-47919 2015***

1. *Tantubay, S;Mukhopadhyay, SK; Kalita, H; Konar, S; Dey, S; Pathak, A; Pramanik, P*

*Carboxymethylated chitosan-stabilized copper nanoparticles: a promise to contribute a potent antifungal and antibacterial agent.,* ***JOURNAL OF NANOPARTICLE RESEARCH,* *17*(6*): 1-18 2015***

1. *Kang, J; Han, J; Gao, Y; Gao, T; Shi, L; Xiao, L; Zhang, Y; Gao,G; Chokto,H; Dong, A*

*Unexpected Enhancement in Antibacterial Activity of N-Halamine Polymers from Spheres to Fibers.*

***ACS APPLIED MATERIALS & INTERFACES, 7 (31): 17516–17526 2015***

1. *Shahbazi, MA; Mäkilä, E; Shrestha, N; Salonen, J; Hirvonen, J; Santos, HA*

*Controlled Shape and Nucleation Switching of Interfacially Polymerizable Nanoassemblies by Methyl Substitution.*

***CHEMISTRY OF MATERIALS, 27 (23): 8170-8178 2015***

1. *Mahto, TK; Pandey, S C; Chandra, S; Kumar, A; Kumar Sahu, S*

*Hydroxyapatite conjugated graphene oxide nanocomposite: a new sight for significant applications in adsorption.*

***RSC ADVANCES, 5(117):96313-96322 2015***

1. *Dai, Z;Li, Y; Lu, W; Jiang, D; Li, H; Yan, Y; Lv, G; Yang, A*

*In vivo biocompatibility of new nano-calcium-deficient hydroxyapatite/poly-amino acid complex biomaterials.*

***INTERNATIONAL JOURNAL OF NANOMEDICINE, 10: 6303–6316 2015***

**57.** Marković, D; Šaponjić, Z; Radoičić, M; Radetić, T; **Vodnik, V**;Potkonjak, B; Radetić, M

*Sonophotocatalytic degradation of dye CI Acid Orange 7 by TiO2 and Ag nanoparticles immobilized on corona pretreated polypropylene non-woven fabric,* **ULTRASONICS SONOCHEMISTRY, 24: 221-229 2015**

1. *He, M; Li, D;...&Cao, W*

*One-pot hydrothermal synthesis of FeNbO4 microspheres for effective sonocatalysis*

***NEW JOURNAL OF CHEMISTRY, 2024, DOI: 10.1039/D3NJ05239G***

1. *Fallahizadeh, S; Gholami, ;...&Kermani, M*

*The spinning disc reactor for photocatalytic degradation: A systematic review,* ***HELIYON 10(8):E32440 2024***

1. *Allawi, MH; AL-Mukhtar, RS*

*Review and comparison for organophosphorus pesticide elimination processes.* ***AIP Conference Proceedings, Vol. 3009( 1):030108 2024,* *https://doi.org/10.1063/5.0190820***

1. *Osman,H; Ugurlu, M;...& chaudhary, AJ*

*Investigation of synthesis and sonocatalytic performance of activated carbon-supported catalysis systems*

***JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2024, DOI: 10.1007/s10008-024-06158-0***

1. *Noorimotlagh, Z; Dehvari, M;...&Amarloei, A*

*Efficient sonocatalytic degradation of orange II dye and real textile wastewater using peroxymonosulfate activated with a novel heterogeneous TiO2–FeZn bimetallic nanocatalyst,* ***JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, 2023,***

***DOI: 10.1007/s13738-023-02780-3***

1. *Milošević, M; Radoičić, M;...&* *Šaponjić, Z*

*Advanced photocatalysis mediated by TiO2/Ag/TiO2 nanoparticles modified cotton fabric*

***CELLULOSE, 2023, https://doi.org/10.1007/s10570-023-05165-0***

1. *Peng, W; Wo, Z;...&Xiwen*

*Chlorine Induced In-Situ Growth of TiO2 Nanoparticles on PVC Nano Fibers*

***JOURNAL OF PHYSICS CONFERENCE SERIES 2468(1):012029 2023***

1. *Wang, B; Sha, H;...&Xu, S*

*Enhanced adsorption-photocatalysis synergy and stability of polypropylene photocatalytic floating ball benefitted from click chemistry connection,* ***JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY 443: 114883 2023***

1. *El-Sawy, AM; Salem, MA;...& Zaki. AB*

*Sonophotocatalytic degradation of malachite green in aqueous solution using six competitive metal oxides as a benchmark*

***PHOTOCHEMICAL AND PHOTOBIOLOGICAL SCIENCES, 2023, DOI: 10.1007/s43630-022-00336-7***

1. *Mosleh, S; Rahimi, MR; Ghaedi, M*

*New materials and equipment for photocatalytic degradation processes.*

***In Interface Science and Technology Elsevier, 32: 673-723 2021***

1. *Karim, AV; Shriwastav,A*

*Degradation of amoxicillin with sono, photo, and sonophotocatalytic oxidation under low-frequency ultrasound and visible light,* ***ENVIRONMENTAL RESEARCH, 2021, DOI: 10.1016/j.envres.2021.111515***

1. *Parvulescu, VI; Epron, F;...&Granger, P*

*Recent Progress and Prospects in Catalytic Water Treatment****,***

***CHEMICAL REVIEWS, 2021, DOI: 10.1021/acs.chemrev.1c00527***

1. *Merouani, S; Hamdaoui, O*

*Sonophotocatalytic degradation of refractory textile dyes*

***In book: Photocatalytic Degradation of Dyes, 2021, DOI: 10.1016/B978-0-12-823876-9.00005-6***

1. *Pirsaheb, M; Moradi, N*

*A systematic review of the sonophotocatalytic process for the decolorization of dyes in aqueous solution: Synergistic mechanisms, degradation pathways, and process optimization*

***JOURNAL OF WATER PROCESS ENGINEERING 44:102314, 2021, DOI: 10.1016/j.jwpe.2021.102314***

1. *Missaoui, K., Gabsi, S., Frikha, N., Kheiri, A., & El Ganaoui, M*

*Indigenous fruits and vegetables storage using continuous adsorption refrigeration: A system modelling.*

***AIP Conf. Proc. 2345: 020011-1–020011-13 2021 https://doi.org/10.1063/5.0049427***

1. *Villalva Perez*

*Síntesis y caracterización de las nanopartículas de hierro con extracto de hojas del eucalyptus globulus sp.*

***Thesis, Para optar el Título Profesional de Ingeniero Químico, Peru. 2021, https://repositorio.uncp.edu.pe/bitstream/handle/20.500.12894/7922/T010\_70557148\_T.pdf?sequence=1&isAllowed=y***

1. *Labib, I; Boutoumi, H; Khalaf, H*

*Synergistic effect of microwave calcination and sonophotocatalytic activity of TiO2-Montmorillonite on the degradation of Direct Yellow 106 and Disperse Violet 1.* ***Bulletin of Chemical Reaction Engineering & Catalysis, 15(2):304-318 2020***

1. *Samanta, M; Mukherjee, M;… & Chattopadhyay, KK*

*Room temperature processed copper phthalocyanine nanorods: A potential sonophotocatalyst for textile dye removal.*

***MATERIALS RESEARCH BULLETIN, 123: 110725 2020***

1. *Karim, AV; Shriwastav, A*

*Degradation of Ciprofloxacin using Photo, Sono, and Sonophotocatalytic Oxidation with Visible Light and Low-Frequency Ultrasound: Degradation Kinetics and Pathways* ***CHEMICAL ENGINEERING JOURNAL, 2020, DOI: 10.1016/j.cej.2020.124853***

1. *Zhao, W; Jiao, Y; ... & Dong, W*

*Sulfonate-grafted conjugated microporous polymers for fast removal of cationic dyes from water*

***CHEMICAL ENGINEERING JOURNAL, 391: 123591 2020***

1. *Hassan, AF; Elhadidy, H*

*Effect of Zr+ 4 doping on characteristics and sonocatalytic activity of TiO2/carbon nanotubes composite catalyst for degradation of chlorpyrifos,* ***JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 129: 180-187 2019***

1. *Gholami, P; Dinpazhoh, L; Khataee, A; Orooji, Y*

*Sonocatalytic activity of biochar-supported ZnO nanorods in degradation of gemifloxacin: Synergy study, effect of parameters and phytotoxicity evaluation.* ***ULTRASONICS SONOCHEMISTRY, 2019, https://doi.org/10.1016/j.ultsonch.2019.03.001***

1. *Dinesh, K; Chakma, S*

*Degradation kinetic study of cholesterol lowering statin drug using sono-hybrid techniques initiated by metal-free polymeric catalyst,****JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, 2019, DOI: 10.1016/j.jtice.2019.04.009***

1. *Dong, P; Nie, X; Jin, Z., Huang, Z; Wang, X; Zhang, X*

*Dual DBD plasma treatments for synthesis of Ag-TiO2 functionalized polypropylene fabrics.*

***INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 2019, DOI: 10.1021/acs.iecr.9b00047***

1. *Zhao, W; Jiao, Y; Gao, R;.... & Dong, W*

*Sulfonate-Grafted Conjugated Microporous Polymers for Fast Removal of Cationic Dyes from Water.* ***CHEMICAL ENGINEERING JOURNAL, 2019, https://doi.org/10.1016/j.cej.2019.123591***

1. *Samanta, M; Mukherjee, M; Ghorai, UK; Bose, C; Chattopadhyay, KK*

*Room temperature processed copper phthalocyanine nanorods: a potential sonophotocatalyst for textile dye removal.*

***MATERIALS RESEARCH BULLETIN, 2019, https://doi.org/10.1016/j.materresbull.2019.110725***

1. *Taufik, A; Muzakki, A; Saleh, R*

*Effect of nanographene platelets on adsorption and sonophotocatalytic performances of TiO 2/CuO composite for removal of organic pollutants,* ***MATERIALS RESEARCH BULLETIN, 99:109-123 2018***

1. *Bakar, NHHA, Muda, NH; Tan, WL; Bakar, MA; Yusli, F; Nawi, MAM; Sabri, NA*

*Eco-friendly natural rubber–silver (NR–Ag) composites for photo-assisted degradation of methyl orange dye.*

***IRANIAN POLYMER JOURNAL, 27(1): 23-32 2018***

1. *Marković, D; Milovanović, S; Radovanović, Ž; Zizovic, I; Šaponjić, Z; Radetić, M*

*Floating Photocatalyst Based on Poly (ε-caprolactone) Foam and TiO 2 Nanoparticles for Removal of Textile Dyes.*

***FIBERS AND POLYMERS, 19(6), 1219-1227 2018***

1. *Rahimi, MR; Mosleh, S*

*Intensification of Textile Wastewater Treatment Processes*

***IN BOOK: Advanced Textile Engineering Materials, Publisher: Wiley (John Wiley & Sons, Inc), pp.329-388, 2018***

1. *Tju, H; Taufik, A; Fauzian, M; Saleh, R*

*Decomposition of organic pollutant in waste water using magnetic catalyst nanocomposite.,****JOURNAL OF PHYSICS: CONFERENCE SERIES, 1091(1), p. 012011 IOP Publishing, 2018, doi :10.1088/1742-6596/1091/1/012011***

1. *Dastkhoon, M; Ghaedi, M; Asfaram, A; Azqhandi, MHA; Purkait, MK*

*Simultaneous removal of dyes onto nanowires adsorbent use of ultrasound assisted adsorption to clean waste water: Chemometrics for modeling and optimization, multicomponent adsorption and kinetic study.* ***CHEMICAL ENGINEERING RESEARCH AND DESIGN, 124: 222-237 2017***

1. *Zhang, L; Qi, H; Yan, Z; Gu, Y; Sun, W; Zewde, AA*

*Sonophotocatalytic inactivation of E. coli using ZnO nanofluids and its mechanism.*

***ULTRASONICS SONOCHEMISTRY, 34:232–238 2017***

1. *Mosleh, S; Rahimi, MR*

*Intensification of abamectin pesticide degradation using the combination of ultrasonic cavitation and visible-light driven photocatalytic process: Synergistic effect and optimization study.* ***ULTRASONICS SONOCHEMISTRY, 35: 449-457 2017***

1. *Askari, H; Ghaedi, M; Dashtian, K; Azghandi, MHA*

*Rapid and high-capacity ultrasonic assisted adsorption of ternary toxic anionic dyes onto MOF-5-activated carbon: Artificial neural networks, partial least squares, desirability function and isotherm and kinetic study*

***ULTRASONICS SONOCHEMISTRY, 37: 71-82 2017***

1. *Tang, D; Zhang, G*

*Ultrasonic-assistant fabrication of cocoon-like Ag/AgFeO2 nanocatalyst with excellent plasmon enhanced visible-light photocatalytic activity,****ULTRASONICS SONOCHEMISTRY, 37: 208-215 2017***

1. *Panda, D; Manickam, S*

*Recent Advancements in the Sonophotocatalysis (SPC) and Doped-Sonophotocatalysis (DSPC) for the Treatment of Recalcitrant Hazardous Organic Water Pollutants. ,****ULTRASONICS SONOCHEMISTRY, 36: 481-496 2017***

1. *Harifi, T; Montazer, M*

*Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review. ,****JOURNAL OF INDUSTRIAL TEXTILES, 46(5): 1147-1169 2017***

1. *Bakar, N. H. H. A., Muda, N. H., Tan, W. L., Bakar, M. A., Yusli, F., Nawi, M. A. M., & Sabri, N. A*

*Eco-friendly natural rubber–silver (NR–Ag) composites for photo-assisted degradation of methyl orange dye.*

***IRANIAN POLYMER JOURNAL, 1-10, 2017, https://doi.org/10.1007/s13726-017-0580-7***

1. *Afifah, N; Saleh, R*

*Improvement of Catalytic Performance over LaMnO3/Nanographene Platelets Composites.*

***MATERIALS SCIENCE AND ENGINEERING, 196(1), p. 012048, 2017 doi:10.1088/1757-899X/196/1/012048***

1. *Gole, VL; Priya, A; Danao, SP*

*Decolorization of brilliant green dye using immersed lamp sonophotocatalytic reactor*

***APPLIED WATER SCIENCE, 2017 doi:10.1007/s13201-017-0555-z***

1. *Porhemmat, S; Rezvani, AR; Ghaedi, M; Azqhandi, MHA; Bazrafshan, AA*

*Nanocomposites: synthesis, characterization and its application to removal azo dyes using ultrasonic assisted method: modeling and Optimization. ,****ULTRASONICS SONOCHEMISTRY, 38: 530-543 2017***

1. *Dastkhoon, M; Ghaedi, M; Asfaram, A; Azqhandi, MHA; Purkait, MK*

*Simultaneous removal of dyes onto nanowires adsorbent use of ultrasound assisted adsorption to clean waste water: Chemometrics for modeling and optimization, multicomponent adsorption and kinetic study.*

***CHEMICAL ENGINEERING RESEARCH AND DESIGN, 124: 222-237 2017***

1. *Aziz, S; Sabzi, M;* *Fattahi, A; Arkan, E*

[*Electrospun silk fibroin/PAN double-layer nanofibrous membranes containing polyaniline/TiO2 nanoparticles for anionic dye removal*](https://www.researchgate.net/publication/319094270_Electrospun_silk_fibroinPAN_double-layer_nanofibrous_membranes_containing_polyanilineTiO2_nanoparticles_for_anionic_dye_removal)*,n****JOURNAL OF POLYMER RESEARCH, 2017, DOI: 10.1007/s10965-017-1298-0***

1. *Rahimi, S; Poormohammadi, A; Salmani, B; Ahmadian, M; Rezaei, M*

*Comparing the photocatalytic process efficiency using batch and tubular reactors in removal of methylene blue dye and COD from simulated textile wastewater.*

***JOURNAL OF WATER REUSE AND DESALINATION, 2016, DOI: 10.2166/wrd.2016.190***

1. *Rahimi, S; Mohamadiyan, G; Ayati, B*

*Kinetic modeling and determination role of sono/photo nanocatalyst-generated radical species on degradation of hydroquinone in aqueous solution.* ***ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2016, DOI: 10.1007/s11356-016-6408-8***

1. *Agarwal, S; Tyagi, I; Gupta, VK; Dastkhoon, M; Ghaedi, M; Yousefi, F; Asfaram, A*

*Ultrasound-assisted adsorption of Sunset Yellow CFC dye onto Cu doped ZnS nanoparticles loaded on activated carbon using response surface methodology based on central composite design.* ***JOURNAL OF MOLECULAR LIQUIDS, 219, 332-340 2016***

1. *Chakma, S; Moholkar, V S*

*Mechanistic analysis of hybrid sono-photo-ferrioxalate system for decolorization of azo dye*

***JOURNAL OF TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, 60: 469-478 2016***

1. *Muhammad Nur Iman, A*

*Chitosan-titanium dioxide (Cs-Tio2) catalyst synthesized on glass substrate for photodegradation*

***Doctoral dissertation, University of Malaya, 2016, http://studentsrepo.um.edu.my/6336/***

1. *Roosta, M; Ghaedi,M; Asfaram, A*

*Simultaneous ultrasonic-assisted removal of malachite green and safranin O by copper nanowires loaded on activated carbon: central composite design optimization.,****RSC ADVANCES,*  *5: 57021-57029 2015***

1. *Harifi, T; Montazer, M*

*Application of nanotechnology in sports clothing and flooring for enhanced sport activities, performance, efficiency and comfort: a review. ,* ***JOURNAL OF INDUSTRIAL TEXTILES, 2015,******doi: 10.1177/1528083715601512***

1. *García, IN*

*Síntesis verde de nanopartículas para la eliminación de colorantes en medios acuosos (Green synthesis of nanoparticles to remove dyes in aqueous media).* ***Dissertation,*** [***Universidade da Coruña. Facultade de Ciencias***](http://ruc.udc.es/browse?type=author&value=Universidade+da+Coru%C3%B1a.+Facultade+de+Ciencias)***, DEPARTAMENTO DE QUÍMICA FÍSICA E ENXEÑERÍA QUÍMICA I, ESPANA, 2015, http://hdl.handle.net/2183/14826***

1. *García-Morales, NG; García-Cerda, L A; Puente-Urbina, BA; Blanco-Jerez, ML; Antaño-López, R; Castañeda-Zaldivar, F*

*Electrochemical Glucose Oxidation Using Glassy Carbon Electrodes Modified with Au-Ag Nanoparticles: Influence of Ag Content.,*[***JOURNAL OF NANOMATERIALS,***](http://www.scopus.com/source/sourceInfo.uri?sourceId=4000151616&origin=resultslist) ***HINDAWI OPEN ACCESS JOURNAL, 295314 1-15, 2015***

**58.** Pajović, JD; Dojčilović, R; Kaščáková,S; Réfrégiers,M; Dimitrijević-Branković,S; **Vodnik,VV**; Milosavljević,A; Piscopiello,E; Luyt,AS; Djoković,V; Božanić,DK, *Tryptophan-functionalized gold nanoparticles for deep UV imaging of microbial cells*, **COLLOIDS AND SURFACE B: BIOINTERFACES, 135: 742-750 2015**

1. *Nikune, NW; Moloudi, K;...& Abrahamse, H*

*An update on recent advances in fluorescent materials for fluorescence molecular imaging: a review*

***RSC ADVANCES 15(28):22267-22284 2025***

1. *Zhang, T, Zhu, Z;...&Yang, B*

*Terahertz time-domain spectroscopy for monitoring the dynamic process of tryptophan photooxidation and the concentration determination,* ***JOURNAL OF MOLECULAR STRUCTURE, 2025, DOI: 10.1016/j.molstruc.2025.141640***

1. *Verma, M, Randhawa, S,...& Acharya, A*

*Strategic use of nanomaterials as double-edged therapeutics to control carcinogenesis via regulation of dysbiosis and bacterial infection: current status and future prospects****, Journal of Materials Chemistry B, 2025, DOI: 10.1039/D4TB02409E***

1. *Yang, X.; Ming, F;.. & Xu, L*

*Amino acids modified nanoscale zero-valent iron: Density functional theory calculations, experimental synthesis and application in the Fenton-like degradation of organic solvents.* ***JOURNAL OF ENVIRONMENTAL SCIENCES, 135, 296-309 2024***

1. *Theodosiu, M; Chalbes, N;...Efthimiadou, EK*

*Amino acid driven synthesis of gold nanoparticles: A comparative study on their biocompatibility*

***MATERIALS CHEMISTRY AND PHYSICS, 2024, DOI: 10.1016/j.matchemphys.2024.129260***

1. *Nefedova, A; Svensson, FG;...& Kessler, V*

*Molecular Mechanisms in Metal Oxide Nanoparticle-Tryptophan Interactions,* ***Inorganic Chemistry 63(19):8556–8566 2024***

1. *Fatima, S; Qamar, F;...& Ahmad, FJ*

*Bioimaging Probes Using Functionalized Inorganic Nanoparticles*

***In book: Emerging Sustainable Nanomaterials for Biomedical Applications, 2024, DOI: 10.1007/978-3-031-63961-6\_6***

1. *Pajovic, JD; Dojčijović, R;...Djoković*

*Enhanced resonance energy transfer in gold nanoparticles bifunctionalized by tryptophan and riboflavin and its application in fluorescence bioimaging****, COLLOIDS AND SURFACES B: BIOINTERFACES, 2023, DOI: 10.1016/j.colsurfb.2023.113340***

1. *Abou-El-Nour, KM; El-Sherbiny, IM;...& Salem, EH*

*Investigation of thymine as a potential cancer biomarker employing tryptophan with nanomaterials as a biosensor*

***SPECTROCHIMICA ACTA, PART A, 2023, DOI: 10.1016/j.saa.2023.122928***

1. *Sacarescu. L; Chibac-Scutaru, AL;...&Roman, G*

*Hybrid polysilane–tryptophan nanostructures with enhanced fluorescence properties through FRET mechanism*

***JOURNAL OF MOLECULAR LIQUIDS, 2023, DOI: 10.1016/j.molliq.2023.123125***

1. *De, A*

*Amino Acid Functionalized Inorganic Nanoparticles in Diagnosis.*

***In book: Nanoparticles in Diagnosis, Drug Delivery and Nanotherapeutics (pp. 150-171). CRC Press, 2023***

1. *Goetzman C*

*Molecular Impacts of Plasmonic Effects Resulting from Surface Enhanced Raman Analysis*

***Doctoral dissertation, The Ohio State University, 2023,*** ***http://rave.ohiolink.edu/etdc/view?acc\_num=osu1689623493932993***

1. *Aguilera-Juárez, A; Hernandez-Adame, L;...&Angulo, C*

*LptD-antigen system on gold nanoparticles: An innovative strategy in the nanovaccine development.*

***NANOTECHNOLOGY,2022,*** ***https://doi.org/10.1088/1361-6528/ac659b***

1. *Wang, Z; Zhang, CM;...&You R*

*Evaluation of adsorption-elution methods with positively and negatively charged membranes for virus concentration in municipal wastewaterNew insight into effects of dissolved organic matter*

***JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 10: 107875 2022***

1. *Tokmedash, MA; Zadeh, ES;...& Ardestani, MS*

*Synthesis of smart carriers based on tryptophan-functionalized magnetic nanoparticles and its application in 5- Fluorouracil delivery,* ***BIOMEDICAL MATERIALS, 2022, DOI: 10.1088/1748-605X/ac7307***

1. *Manoharan, RK; Reorane, C;...&Ahn, YH*

*Antimicrobial photodynamic inactivation of wastewater microorganisms by halogenated indole derivative capped zinc oxide*

***ENVIRONMENTAL RESEARCH, 2022, DOI: 10.1016/J.ENVRES.2022.113905***

1. *Yang, X; Ming, G; Xu, L*

*Amino acids modified nanoscale zero-valent iron: Density functional theory calculations, experimental synthesis and application in the Fenton-like degradation of organic solvents calculations,*

***JOURNAL OF ENVIRONMENTAL SCIENCES, 2022, DOI: 10.1016/j.jes.2022.11.013***

1. *Lee, S; Chen, F; Lee, TY*

*Tryptamine-functionalized magnetic nanoparticles for highly sensitive detection of Salmonella Typhimurium.*

***ANALYST, 2021, https://doi.org/10.1039/D0AN02458A***

1. *Ghanbari, N; Salehi, Z;… & Farzaneh, F*

*Tryptophan-functionalized graphene quantum dots with enhanced curcumin loading capacity and pH-sensitive release.****JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, 61, 102137 2021***

1. *Gangadoo, S; Nguyen, H; ... & Truong, VK*

*Inorganic nanoparticles as food additives and their influence on the human gut microbiota.*

***ENVIRONMENTAL SCIENCE: NANO, 2021, https://doi.org/10.1039/D1EN00025J***

1. *Manoharan, RK; Gangadaran, P...&Ahn, Y*

*Self-healing functionalization of sulfonated hafnium oxide and copper oxide nanocomposite for effective biocidal control of multidrug-resistant bacteria.* ***NEW JOURNAL OF CHEMISTRY, 2021, DOI: 10.1039/D1NJ00323B***

1. *Selvakannan, PR; Dumbre, D;...&Bjargava, SK*

*Amino Acids Functionalized Inorganic Metal Nanoparticles: Synthetic Nanozymes for Target Specific Binding, Sensing and Catalytic Applications* ***In book: Nanozymes for Environmental Engineering, 2021, DOI: 10.1007/978-3-030-68230-9\_1***

1. *Periasamy, S., Dumbre, D;... & Bhargava, SK*

*Amino Acids Functionalized Inorganic Metal Nanoparticles: Synthetic Nanozymes for Target Specific Binding, Sensing and Catalytic Applications.*

***In Nanozymes for Environmental Engineering, Springer, 2021, https://doi.org/10.1007/978-3-030-68230-9\_1***

1. *Zoltowski, CM; Lalisse, RF...& Schultz, ZD*

*Plasmonically Generated Tryptophan Radical Anion on Gold Nanoparticles Investigated by Combined Surface-Enhanced Raman Scattering and Density Functional Theory Calculations*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2021, DOI: 10.1021/acs.jpcc.1c07840***

1. *Manoharan, RK; Shanmugam, M;...˛&Ahn, YH*

*Antibacterial and photocatalytic activities of 5-nitroindole capped bimetal nanoparticles against multidrug resistant bacteria,* ***COLLOIDS AND SURFACES B: BIOINTERFACES, 2020, DOI: 10.1016/j.colsurfb.2020.110825***

1. *Andrýsková, P; Šiškova, KM;....˛Jirak, D*

*The Effect of Fatty Acids and BSA Purity on Synthesis and Properties of Fluorescent Gold Nanoclusters*

***NANOMATERIALS, 10(2):343 2020, DOI: 10.3390/nano10020343***

1. *Havaldar, DV; Patil, RV;... & Pawar, KD*

*Differently synthesized gold nanoparticles respond differently to functionalization with L-amino acids.* ***PARTICUOLOGY, 2020, https://doi.org/10.1016/j.partic.2019.12.010***

1. *Hameed, MK; Ahmady, IM;...&Mohamed, AA*

*Efficient synthesis of amino acids capped gold nanoparticles from easily reducible aryldiazonium tetrachloroaurate(III) salts for cellular uptake study,* ***AMINO ACIDS, 2020, DOI: 10.1007/s00726-020-02862-z***

1. *Ghanbari, N., Salehi, Z;… & Farzaneh, F*

*Tryptophan-functionalized graphene quantum dots with enhanced curcumin loading capacity and pH-sensitive release.*

***JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, 2020, https://doi.org/10.1016/j.jddst.2020.102137***

1. *Božanić, DK: Garcia, GA;...& Nahon, L*

*Velocity Map Imaging VUV Angle-Resolved Photoemission on Isolated Nanosystems: Case of Gold Nanoparticles.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2020, DOI: 10.1021/acs.jpcc.0c08152***

1. *Kumar, PP; Shanavas, A.,…& Neelakandan, PP*

*A Three-Component Supramolecular Nanocomposite as a Heavy-Atom-Free Photosensitizer.*

***CHEMICAL COMMUNICATIONS, 2019, DOI: 10.1039/C9CC02480H***

1. *Sun, Z; Zheng, W; Zhu, G;... & Jiang, X*

*Albumin broadens the antibacterial capabilities of non-antibiotic small molecule-capped gold nanoparticles.*

***ACS APPLIED MATERIALS & INTERFACES, 2019, https://doi.org/10.1021/acsami.9b15107***

1. *Radziwiłł-Bieńkowska, J; Talbot, P; Kamphuis, JBJ et al.*

*Toxicity of Food-Grade TiO2 to Commensal Intestinal and Transient Food-Borne Bacteria: New Insights Using Nano-SIMS and Synchrotron UV Fluorescence Imaging* [***FRONTIERS IN MICROBIOLOGY***](https://www.researchgate.net/journal/1664-302X_Frontiers_in_Microbiology)***, 2018, DOI: 10.3389/fmicb.2018.00794***

1. *Hernández, B; Tinacci, L; Coïc, YM; Chenal, A; Cohen, R; Sanchez-Cortes, S; Ghomi, M*

*Tryptophan Tight Binding to Gold Nanoparticles Induces Drastic Changes in Indole Ring Raman Markers.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 122 (24): 13034–13046 2018***

1. *Zhao, X; Jia, Y; Li, J; Dong, R; Zhang, J; Ma, C; ... & Jiang, X*

*Indole Derivatives-Capped Gold Nanoparticles as Effective Bactericide in vivo.*

***ACS APPLIED MATERIALS & INTERFACES, 2018, DOI: 10.1021/acsami.8b11980***

1. *Csapó, E; Ungor, D; Kele, Z; Baranyai, P; Deák, A; Juhász, Á; Janovák, L; Dékány, I*

*Influence of pH and aurate/amino acid ratios on the tuneable optical features of gold nanoparticles and nanoclusters*

***COLLOIDS AND SURFACE A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 2017,*** ***http://dx.doi.org/10.1016/j.colsurfa.2017.02.047***

1. *Chen, Y; Zhang, K, Bao, Y; Wang, X*

*Study on hybrization of Tb3+-doped CaAl layered double hydroxides and tryptophan.*

***RESEARCH ON CHEMICAL INTERMEDIATES, 2017,* *DOI: 10.1007/s11164-017-2920-9***

1. *Kim, DY; Kim, M; Shinde, S; Saratale, RG; Sung, JS; Ghodake, GS*

*Temperature Dependent Synthesis of Tryptophan-Functionalized Gold Nanoparticles and their Application in Imaging Human Neuronal Cells.* ***ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 2017, DOI: 10.1021/acssuschemeng.7b01101***

1. *Thiruppathi, R; Mishra, S; Ganapathy, M; Padmanabhan, P;Gulyás, B*

*Nanoparticle functionalization and its potentials for molecular imaging.*

***ADVANCED SCIENCE, 2016,* *DOI: 10.1002/advs.201600279***

1. *Yufeng, CHEN; Xiaoqing, WANG; Shidi, LUO;Yao, BAO*

*Synthesis of new Tb-doped Zn-Al LDH/tryptophan hybrids and their fluorescent property*

***JOURNAL OF RARE EARTHS, 34(11): 1095-1102 2016***

1. *Popescu, RC; Fufă, MOM; Grumezescu, AM*

*Metal-based nanosystems for diagnosis,*

***ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, 56 (2): 635-649 2015***

**59.** Lazić, V; Radoičić, M; Šaponjić, Z; Radetić, T; **Vodnik**, **V**; Nikolić, S; Dimitrijević, S; Radetić, M

*Negative influence of Ag and TiO2 nanoparticles on biodegradation of cotton fabrics*

**CELLULOSE, 22:1365-1378 2015**

1. *Sundararajan, P; Ramasamy, SP;*

*Development of sustainable, eco-friendly antimicrobial finishing of cotton fabric using prodigiosin of Serratia marcescens SP1.****PROGRESS IN ORGANIC COATINGS, 188:108216 2024***

1. *Mondal. MIH; Ahmed, F; Rahman, MH*

*Fabrication of Bio-Based Composite Materials for Antimicrobial Cotton Fabric With Microbial Anti-Adhesive Activity*

***PEPTIDE SCIENCE, 2024, DOI: 10.1002/bip.23635***

1. *Mondal, MIH; Haque, MI; Ahmed, F*

*Durable Biobased Hybrid Compounds: Potential Modifying Agents for the Development of Functional Cotton Fabrics.*

***ARABIAN JOURNAL OF CHEMISTRY, 16(9): 105093 2023***

1. *Sharma, N; Kochar, M;...& Agrawal, R*

*Biodegradation of N-fertilizer loaded on cellulose nanofibres to assess their potential use as a controlled-release fertilizer.* ***JOURNAL OF MATERIALS SCIENCE, 2023, https://doi.org/10.1007/s10853-023-09134-7***

1. *Khomami, NTS*

*Investigation of Interactions of TiO2 Nanoparticles with Dissolved Components of Surface Waters under Natural Conditions.*

***Doctoral Thesis, Rheinland-Pfälzische Technische Universität, 2023,* *https://kluedo.ub.rptu.de/frontdoor/deliver/index/docId/7578/file/Dissertation-Narjes+Tayyebi.pdf***

1. *Tomšič, B; Marković, D;..& Radetić, M*

*Biodegradation of cellulose fibers functionalized with CuO/Cu2O nanoparticles in combination with polycarboxylic acids.* ***CELLULOSE, 29(1): 287-302 2022***

1. *Yeasmin S, Kwon IJ;...&Yang SB*

*Preparation and Characterization of Pullulan/Tempo Cellulose Nanofibril/Ag Nanocomposite Film for Antimicrobial Food Packaging Application****. FIBERS AND POLYMERS, 23(3):699-710 2022***

1. *Zambrano, MC; Pawlak, JJ;... & Venditti, RA*

*Impact of dyes and finishes on the aquatic biodegradability of cotton textile fibers and microfibers released on laundering clothes: Correlations between enzyme adsorption and activity and biodegradation rates.*

***MARINE POLLUTION BULLETIN, 165(22): 112030******2021***

1. *Smith, S; Ozturk, M; Frey, M*

*Soil biodegradation of cotton fabrics treated with common finishes.*

***CELLULOSE, 2021, https://doi.org/10.1007/s10570-020-03666-w***

1. *Khomami, NTS; Philippe, A;…& Schaumann, GE*

*Validation of a field deployable reactor for in-situ formation of NOM-engineered nanoparticles corona.*

***ENVIRONMENTAL SCIENCE: NANO, 2020, DOI:10.1039/C9EN01090D***

1. *Zambrano, MC; Pawlak, JJ; Venditti, RA*

*Effects of chemical and morphological structure on biodegradability of fibers, fabrics, and other polymeric materials.* ***BIORESOURCES, 15(4), 9786 2020***

1. *Zambrano Gonzalez, MC*

*The Generation of Textile Microfibers Released during Home Laundering and their Biodegradation and Interactions with the Microbiome in Aquatic and Marine Environments.*

***Doctoral thesis, Graduate Faculty of North Carolina State University, 2020,*** ***file:///C:/Users/pc2012/Downloads/etd.pdf***

1. *Mishra, R; Venjataraman, M*

*Geotextiles and Environmental Protection Textiles*

***IN BOOK: HIGH PERFORMANCE TECHNICAL TEXTILES, 2019, DOI: 10.1002/9781119325062.ch9***

1. *Marković, D; Vasiljević, J; Golja, B; Tomšič, B; Simončić, B; Radetić, M*

*Biodegradation of cotton fabric impregnated with TiO2 nanoparticles,****J. SERB. CHEM. SOC., 84(7): 743-755 2019***

1. *Radetić, M., & Šaponjić, Z*

*Biodegradation Behavior of Textiles Impregnated with Ag and TiO2 Nanoparticles in Soil.*

***In Toxicity and Biodegradation Testing, Humana Press, New York, NY, pp. 281-296 2018***

1. *Abdel Ghany, TM; Ganash,M; Bakri,MM;Al Rajhi, AMH*

[*Molecular Characterization of Trichodermaasperellum and Lignocellulolytic Activity on Barley Straw Treated with Silver Nanoparticles*](https://www.researchgate.net/publication/322644488_Molecular_Characterization_of_Trichodermaasperellum_and_Lignocellulolytic_Activity_on_Barley_Straw_Treated_with_Silver_Nanoparticles)*,* ***BIORESOURCES, 13(1):1729-1744 2018***

1. *Milošević, M; Krkobabić, A; Radoičić, M; Šaponjić, Z; Radetić, T; Radetić, M*

*Biodegradation of cotton and cotton/polyester fabrics impregnated with Ag/TiO 2 nanoparticles in soil.*

***CARBOHYDRATE POLYMERS, 158 77-84 2017***

1. *Mihajlovski, KR; Davidović, S Z.; Veljović, ĐN; Carević, MB; Lazić, VM; Dimitrijević-Branković, SI*

*Effective valorization of barley bran for simultaneouscellulase and β-amylase production by Paenibacilluschitinolyticus CKS1: Statistical optimization and enzymes application.*

***JOURNAL OF SERBIAN CHEMICAL SOCIETY, 2017, DOI:***[***http://dx.doi.org/10.2298/JSC170514092M***](http://dx.doi.org/10.2298/JSC170514092M)

1. *Tomsic, B;Vasiljević, J; Simoncic, B;Radetić, M*

[*The influence of corona treatment and impregnation with colloidal TiO2 nanoparticles on biodegradability of cotton fabric*](https://www.researchgate.net/publication/318771263_The_influence_of_corona_treatment_and_impregnation_with_colloidal_TiO2_nanoparticles_on_biodegradability_of_cotton_fabric)*,****CELLULOSE, 2017, DOI: 10.1007/s10570-017-1415-6***

1. *Simončič, B; Tomšič, B*

*Recent Concepts of Antimicrobial Textile Finishes.****In Textile Finishing: Recent Developments and Future Trends, John Wiley & Sons, Inc1-68, 2017, DOI: 10.1002/9781119426790.ch1***

1. *Tomacheski, D*

*Avaliação do impacto ambiental de resíduos de elastômeros termoplásticos SEBS/PP com propriedades antimicrobianas.*

***Doctoral dissertation, Universidade Federal do Rio Grande do Sul., 2017,*** [***http://hdl.handle.net/10183/168649***](http://hdl.handle.net/10183/168649)

1. *Milošević, MV*

*Nanokompoziti sa antimikrobnim svojstvima sintetisani fotoredukcijom jona srebra na površini nanokristala titan (IV)-oksida različitih oblika deponovanih na tekstilnim materijalima*

***Doctoral dissertation, Универзитет у Београду, Технолошко-металуршки факултет, 2017***

1. *Mitrano, DM; Limpiteeprakan, P; Babel, S; Nowack, B*

*Durability of nano-enhanced textiles through the life cycle: releases from landfilling after washing.* ***ENVIRONMENTAL SCIENCE: NANO, 3(2): 375-387 2016***

1. *Primc, G; Tomšič, B; Vesel, A; Mozetič, M; Ražić, SE; Gorjanc, M*

*Biodegradability of oxygen-plasma treated cellulose textile functionalized with ZnO nanoparticles as antibacterial treatment,* ***JOURNAL OF PHYSICS D: APPLIED PHYSICS, 49(32): 324002 2016***

1. *Jemec, A; Kos, M; Drobne, D;Mcshane, H*

*In field conditions, commercial pigment grade TiO2 was not harmful to terrestrial isopods but reduced leaf litter fragmentation,* ***SCIENCE OF THE TOTAL ENVIRONMENT, 2016, DOI: 10.1016/j.scitotenv.2016.07.107***

1. *Mihajlovski, KR*

*Poljoprivredni i industrijski otpad kao supstrat za proizvodnju celulaza i amilaza pomoću novog bakterijskog soja Paenibacillus chitinolyticus CKS1****Doctoral dissertation, Универзитет у Београду, Технолошко-металуршки факултет, 2016, http://harvester.rcub.bg.ac.rs/handle/123456789/4666***

1. *Nikolić, S; Pejin, J;Mojović, L*

*Challenges in bioethanol production: Utilization of cotton fabrics as a feedstock*

[***CHEMICAL INDUSTRY AND CHEMICAL ENGINEERING QUARTERLY***](https://www.researchgate.net/journal/1451-9372_Chemical_Industry_and_Chemical_Engineering_Quarterly)***, 2016, DOI: 10.2298/CICEQ151030001N***

**60.** Bogdanović, U; Pašti, IA; Ćirić-Marjanović, G; Mitrić, M; Ahrenkiel, SP; **Vodnik, VV**

*Interfacial synthesis of gold-polyaniline nanocomposite and its electrocatalytic application*

**ACS APPLIED MATERIALS & INTERFACES, 7 (51): 28393–28403 2015**

1. *Zahoor, M, Khan, S;...& Ali, S*

*Electrochemical synthesis of nanoparticles; an appropriate contrivance of synthesizing nanoparticles with low dimensional structures,* ***INORGANIC CHEMISTRY COMMUNICATION,S 173(4):113890 2025***

1. *Haile, DT; Cobet, M;...& Workneh, GA*

*Cobalt-Doped Nickel Hydroxide on Polyaniline-Decorated Nickel Foam for Enhanced Performance of the Oxygen Evolution Reaction,* ***ACS OMEGA 10(8):7648-7661 2025***

1. *Kaladevi, G; Meenakshi, S;...Gopinath, SCB*

*Interfacial polymerization to synthesize AuNPs@PPy/rGO nanocomposites for the simultaneous voltammetric determination of hydrazine and nitrite in water samples,* ***MICROCHEMICAL JOURNAL, 2025, DOI: 10.1016/j.microc.2025.113955***

1. *Wu, Y; gao, X; Li, Y*

*Electrochemical sensors based on polyaniline nanocomposites for detecting Cd(II) in wastewater*

***INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE 19(3):100519 2024***

1. *Niyazi, A, Metcaife, B;...& Lorenzo, MD*

*Enhanced stability of highly porous nanostructured gold anodes via polyaniline coating for abiotic glucose fuel cell*

***ELECTROCHIMICA ACTA, 508:145281 2024***

1. *Wu, X; Chen, Y;...&Yu, Lei*

*A magnetic Fe@PANI catalyst for selective sulphide oxidation under mild and green conditions*

***MATERIALS ADVANCE, 2024, DOI: 10.1039/D3MA00823A***

1. *Wang, H; Wang, S;...& cheng, Y*

*Janus droplet microreactors for preparing polyaniline/AgCl nanocomposites*

***CHEMICAL COMMUNICATIONS, 2024, DOI: 10.1039/d4cc01321b***

1. *Garg, S; Singla, R; Goel, N*

*DFT Study on the Spin States of Polyaniline-3d Transition-Metal (Sc-Zn) Composites and Their Sensing Application to Detect Chemical Warfare Agents,* ***THE JOURNAL OF PHYSICAL CHEMISTRY A, 2024, DOI: 10.1021/acs.jpca.3c07114***

1. *Yangyue; Panchao, H;...& Zhenxing, S*

*In situ synthesis of Ni-PANI@CNTs as multifunctional electrocatalysts for energy-efficient hydrogen production and formaldehyde wastewater degradation,* ***CHEMICAL ENGINEERING JOURNAL, 2024, DOI: 10.1016/j.cej.2024.158317***

1. *Shubhadarshinee, L; Mohapatra, P;...& Barick, A*

*Review on synthesis and characterization of metal nanoparticles doped carbon nanofillers based nanohybrids reinforced polyaniline nanocomposites,* ***Polymer-Plastics Technology and Materials, 2024, DOI: 10.1080/25740881.2024.2314508***

1. *Wang, Y; Hao, C;...& Yan, L*

*Three-dimensional graphene gel/carbon cloth electrode for detection of Cu through two electrochemical methods of interactive verification,* ***Journal of Materials Science: Materials in Electronics, 2024, DOI: 10.1007/s10854-024-12214-2***

1. *Shaheen Shah, S; Oladepo, S; ... & Aziz, MA*

*Recent progress in polyaniline and its composites for supercapacitors.* ***THE CHEMICAL RECORD, 24(1), E202300105 2024***

1. *Pasqueira, C, Alvarenga DG;...& Hryniewicz, BM*

*Polymer nanocomposites based on gold nanoparticles: Synthesis, properties and applications*

***In book: Gold Nanoparticles, Nanomaterials and Nanocomposites, Elsevier 2024, DOI: 10.1016/B978-0-443-15897-1.00006-6***

1. *Alshammari, RH; Almusaad, AM; Algarni, TS*

*Fibrin clot degradation by polyaniline-coated AuNP using laser photolysis.* ***Arabian Journal of Chemistry,17(10):105948*** *2024*

1. *Wu, Y; Gao, X; Li, Y*

*Electrochemical sensors based on polyaniline nanocomposites for detecting Cd (II) in wastewater. International Journal of* ***ELECTROCHEMICAL SCIENCE, 19(3), 100519 2024***

1. *Zhao, B*

*Growth and characterization of polyaniline/gold composites*

***Doctoral dissertation, Universität Freiburg, 2024, https://web.archive.org/web/20240319163241id\_/https://freidok.uni-freiburg.de/fedora/objects/freidok:244020/datastreams/FILE1/content***

1. *Elezovic, NR*

*Development of electrochemistry in Serbia-challenges and perspectives*

***JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2023, DOI: 10.1007/s10008-023-05449-2***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive Green Metal‐polyaniline Nanocomposites: Synthesis and Application in Sensors.*

***ELECTROANALYSIS, 35(2): E202100636 2023***

1. *Bhuvanendran, N; Ravichandran, S;... & Su, H*

*Ag and Au nanoparticles decorated on synthetic clay functionalized multi-walled carbon nanotube for oxygen reduction reaction.* ***APPLIED NANOSCIENCE, 13(1): 749-761 2023***

1. *Mao, Y; Lin, L;...& Wang, Y*

*Preparation of site-specific Z-scheme g-C3N4/PAN/PANI@LaFeO3 cable nanofiber membranes by coaxial electrospinning: Enhancing filtration and photocatalysis performance,* ***CHEMOSPHERE 328:138553 2023***

1. *Zhu, G; Feng, C;...&Yang,*

*Three-dimensional porous AuNPs-decorated polyaniline array for ultrasensitive determination of trace Cd(II) and Pb(II) in drinking water,* ***JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING 11(3):109969 2023***

1. *Shaheen Shah, S; Oladepo, S; ... & Aziz,МА*

*Recent Progress in Polyaniline and its Composites for Supercapacitors,****The Chemical Record, 2023,DOI:10.1002/tcr.202300105***

1. *Zhao, B; Becker, HW; Gutsch, S*

*Two-Step Electrochemical Au Nanoparticle Formation in Polyaniline,* ***NANOMATERIALS 13(14):2089 2023***

1. *Muttaqien, SE;Khoris, IM;…&Park, EY*

*Simple, versatile, and practical impedimetric immunosensor based on gold nanoparticle-polyaniline nanocomposite for clinical dengue virus detection,* ***BIOCHEMICAL ENGINEERING JOURNAL, 2023, DOI: 10.1016/j.bej.2023.109028***

1. *Nasrin, F; Khoris, IM;...& Park, EY*

*Development of disposable electrode for the detection of mosquito-borne viruses*

***BIOTECHNOLOGY JOURNAL, 2023, DOI: 10.1002/biot.202300125***

1. *Mandal, LC; Saha, B*

*Visible Light Mediated Click Chemistry,*

***In book: Photocatalysis for Environmental Remediation and Energy Production, 2023, DOI: 10.1007/978****-3-031-27707-8\_6*

1. *Kulvelis, YV; Yevlampieva, NP;...&Vul, AY*

*Effective X-ray Luminescent Hybrid Structures of Nanodiamonds Associated with Metal–organic Scintillators*

***In book: Photocatalysis for Environmental Remediation and Energy Production, 2023, DOI: 10.1007/978-3-031-27707-8\_7***

1. *Uday, S; Chawla, H;...Garg, S*

*Conducting Polymer Hybrid Nanocomposites-Based Photocatalytic Material for Energy Applications*

***In book: Photocatalysis for Environmental Remediation and Energy Production, 2023, DOI: 10.1007/978-3-031****-27707-8\_17*

1. *Wang, TH; Lin, CY; ...& Li, CY*

*Facile electrosynthesis of polyaniline|gold nanoparticle core-shell nanofiber for efficient electrocatalytic CO2 reduction*

***ELECTROCHIMICA ACTA, 437: 141500 2023***

1. *Arora, I; Chawla, H;… & Garg, S*

*Bismuth-Based Photocatalytic Material for Clean Energy Production and CO2 Reduction.*

***In book: Photocatalysis for Environmental Remediation and Energy Production: Recent Advances and Applications (pp. 363-394). Cham: Springer International Publishing, 2023***

1. *Choi EY; Lee, D; ...&Kang, E*

*Enhanced Electrocatalytic Activity of N-Doped Nano-Onion/Gold Nanorod Nanocomposites for the Oxygen Reduction Reaction*

***ELECTROCHIMICA ACTA, 405:139816 2022***

1. *Sun, X;, Wang, J; ... & Guo, R*

*Gold nanorod@ void@ polypyrrole yolk@ shell nanostructures: Synchronous regulation of photothermal and drug delivery performance for synergistic cancer therapy.* ***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 610: 89-97 2022***

1. *Sun, M; Guo, W;…& Zhang, Q*

*Fast Tailoring of Gold Nanoflowers by An Interface-modified Reverse Microdroplet Strategy*

***COLLOIDS AND SURFACES A Physicochemical and Engineering Aspects, 2022, DOI: 10.1016/j.colsurfa.2022.128590***

1. *Izadyar, A; Van, MN;...& Seok, I*

*Development of a Highly Sensitive Glucose Nanocomposite Biosensor Based on Recombinant Enzyme from Corn.*

***JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, 2022, https://doi.org/10.1002/jsfa.12019***

1. *Arumugam, B., Kuppuswamy, G. P., & Sivalingam, Y*

*Electrocatalytic Oxygen Reduction Reaction at Silver Nanoparticles (AgNPs) Electrode in Neutral Solution: 5-amino-2-naphthalene-sulfonic acid (ANS) as a Reducing Agent for AgNPs.*

***ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, 11(2): 023010 2022***

1. *Rahm, C; Gupta, P...,& Alvarez, NT*

*Impact of physical and chemical parameters on square wave anodic stripping voltammetry for trace Pb2+ detection in water.*

***ANALYST, 2022, https://doi.org/10.1039/D2AN00724J***

1. *Nasrin, F; Khoris, IM...&Park, EY*

*Impedimetric biosensor of Norovirus with low variance using simple bioconjugation on conductive polymer-Au nanocomposite*

***SENSORS AND ACTUATORS B CHEMICAL 369:132390 2022***

1. *Halim, EMH; Chemchoub, S;...&Thazi, M*

*Recent advances in anode metallic catalysts supported on conducting polymer-based materials for direct alcohol fuel cells*

***FRONTIERS IN ENERGY RESEARCH, 2022,DOI: 10.3389/fenrg.2022.843736***

1. *Tran, TL; Tran, H;...&Huynh, CD*

*A glassy carbon electrode modified with polyaniline nanowires: An electrochemically effective surface area and an electrocatalytic activity for the oxidation of methanol under alkaline conditions*

***JOURNAL OF CHEMICAL RESEARCH 46(5):174751982211234 2022***

1. *Singh, L; Singh, V*

*CQDs/PANI nanocomposites based sensing probe for the sensitive and selective detection of mercury ions via Raman spectroscopy,* ***APPLIED PHYSICS A, 2022, DOI: 10.1007/s00339-022-05752-1***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive Green Metal‐polyaniline Nanocomposites: Synthesis and Application in Sensors.*

***ELECTROANALYSIS, 2022, https://doi.org/10.1002/elan.202100636***

1. *Kyomuhimbo, HD; Feleni, U*

*Catalytic and Energy Storage Applications of Metal/Polyaniline Nanocomposites: A Critical Review*

***JOURNAL OF ELECTRONIC MATERIALS, 2022, DOI: 10.1007/s11664-022-09848-5***

1. *Zhao, R; Xia, J...& Zhao, GL*

*Electric Field Polarized Fe−N Functionalized Graphene Oxide Nanosheet Catalyst for Efficient Oxygen Reduction Reaction*

***CHEMISTRYSELECT, 2022, DOI: 10.1002/slct.202200616***

1. *Roy, S; Asokan, K.;... & Krishna, JBM*

*Synthesis of metal-PolyAniline composites by ion implantation.* ***Indian Journal of Physics, 96(10): 2807-2813 2022***

1. *Yu, J; Zhu, H;…& Du, M*

*When amine-based conducting polymers meet Au nanoparticles: Suppressing H2 evolution and promoting the selective electroreduction of CO2 to CO at low overpotentials.****SUSTAINABLE ENERGY & FUELS, 2021,*** ***DOI: 10.1039/D0SE01848A***

1. *Yuan, R; Li, HK; He, H*

*Recent advances in metal/covalent organic framework-based electrochemical aptasensors for biosensing applications*

***DALTON TRANSACTIONS, 2021, DOI: 10.1039/D1DT02360H***

1. *Sonawane, JM; Pant, D;...&Adeloju, SB*

*Polyaniline–Copper Composite: A Non-precious Metal Cathode Catalyst for Low-Temperature Fuel Cells*

***ENERGY & FUELS, 2021,*** ***DOI: 10.1021/acs.energyfuels.0c04152***

1. *Idumah, CI*

*Novel trends in conductive polymeric nanocomposites, and bionanocomposites.,* ***SYNTHETIC METALS, 273: 116674******2021***

1. *Idumah, CI; Ezeani, EO;Nwuzor, IC*

*A review: advancements in conductive polymers nanocomposites.*

***POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 60(7), 756-783 2021***

1. *Qamar, H; Saeed, A;...&Khan, ZA*

*CuO bionanocomposite with enhanced stability and antibacterial activity against extended-spectrum beta-lactamases strains****, MATERIALS, 2021,***

1. *Yuan, G; Sun, J;… & Guo, R*

*Rational design of dumbbell-like Au-Fe3O4@ Carbon yolk@ shell nanospheres with superior catalytic activity.*

***COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 2021, https://doi.org/10.1016/j.colsurfa.2021.126665***

1. *Goel, V; Tanwar, R; Mandal, UK*

*Performance Enhancement of Commercial Ultrafiltration Polysulfone Membrane via in‐situ Polymerization of Aniline using copper chloride as a catalyst.* ***JOURNAL OF CHEMICAL TECHNOLOGY & BIOTECHNOLOGY, 96(2):502-513 2021***

1. *Chetia, M., Konwar, M., Pegu, B;...&Sarma D*

*Synthesis of copper containing polyaniline composites through interfacial polymerisation: An effective catalyst for Click reaction at room temperature* ***JOURNAL OF MOLECULAR STRUCTURE, 1233: 130019 2021***

1. *Jayeoye, TJ; Eze, FN;... & Rujiralai, T*

*Synthesis of gold nanoparticles/polyaniline boronic acid/sodium alginate aqueous nanocomposite based on chemical oxidative polymerization for biological applications.*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 179:196-205 2021***

1. *Ghosh, S*

*Conjugated Polymer Nanostructures for Photocatalysis.* ***In book: Conjugated polymer nanostructures for energy conversion and storage applications, Wiley, ISBN: 978-3-527-82010-8, 2021***

1. *Al-Obaidi, NS; Al-Garawi, ZS; Al-Mahdawi, AS*

*Polyaniline doping with nanoparticles: A review on the potential of electrical properties.*

***JOURNAL OF PHYSICS, 1853(1): 012055 2021***

1. *Ghosh, S;. Basu, RN*

*Conjugated Polymer Nanostructures for Catalysts Support in Fuel Cells Application* ***In book: Conjugated Polymer Nanostructures for Energy Conversion and Storage Applications, 2021, DOI: 10.1002/9783527820115.ch6***

1. *Tran, TL; Tran, HV; ...& Huynh, CD*

*Electrosynthesis of electrochemically reduced graphene oxide/polyaniline nanowire/silver nanoflower nanocomposite for development of a highly sensitive electrochemical DNA sensor,* ***RSC ADVANCES 11(32):19470-19481 2021***

1. *Bhuvanendran, N; Ravichandran, S; Kandasamy, S*

*Ag and Au nanoparticles decorated on synthetic clay functionalized multi-walled carbon nanotube for oxygen reduction reaction,* ***APPLIED NANOSCIENCE, 2021, DOI: 10.1007/S13204-021-01902-8***

1. *Singh, L; Singh, V*

*Study of Structural and Functional Properties of Graphene / Polyaniline Nanocomposites Synthesized via In Situ Polymerization* ***In book: Advances in Mechanical Engineering, 2021, DOI: 10.1007/978-981-16-0942-8\_1***

1. *Bhattacharjee, M; Bandyopadhyay, D*

*Conductive Polymer Nanobiosensors* ***In book: Environmental Nanotechnology, 2021, DOI: 10.1007/978-3-030-73010-9\_3***

1. *Dong, W*

*Photoelectrochemical catalysis of waste water in pharmaceutical industry.*

***Master thesis, Kyiv National University of Technology and Design, 2021, https://er.knutd.edu.ua/handle/123456789/19552***

1. *Verma, CJ; Kumar, A; Ojha, RP; Prakash, R*

*Au-V2O5/Polyindole composite: An approach for ORR in different electrolytes.*

***JOURNAL OF ELECTROANALYTICAL CHEMISTRY,2020,*  *https://doi.org/10.1016/j.jelechem.2020.113959***

1. *Zhu, QQ; Zhang, W W;...& He, H*

*Elaborately manufacturing an electrochemical aptasensor based on gold nanoparticle/COF composites for amplified detection performance,* ***JOURNAL OF MATERIALS CHEMISTRY C, 2020, DOI: 10.1039/D0TC04202A***

1. *Tran, TL; Tran, HV;…&Mai, AT*

*Silver Nanoparticles Decorated Polyaniline Nanowires-Based Electrochemical DNA Sensor: Two-step Electrochemical Synthesi,****JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 2020, DOI: 10.1149/1945-7111/ab8fdb***

1. *Yu, J; Zhu, H; Hao, J;...&Du, M*

*When amine-based conducting polymers meet Au nanoparticles: Suppressing H2 evolution and promoting the selective electroreduction of CO2 to CO at low overpotentials.*

***SUSTAINABLE ENERGY & FUELS, 2020, HTTPS://DOI.ORG/10.1039/D0SE01848A***

1. *Mondal, P; Guo, C;Yarger, JL*

*Water soluble gold-polyaniline nanocomposite: A substrate for surface enhanced Raman scattering and catalyst for dye degradation,* ***ARABIAN JOURNAL OF CHEMISTRY, 13(2): 4009-4018 2020***

1. *Yadav, A; Pandey, R; Liao, TW;... & Shacham-Diamand, Y*

*Platinum-nickel bimetallic nanoclusters ensemble-on-polyaniline nanofilm for enhanced electrocatalytic oxidation of dopamine,* ***NANOSCALE, 2020, DOI: 10.1039/C9NR09730A***

1. *Ashokkumar, SP; Yesappa, L;….& Devendrappa, H*

*Structure, morphology, thermal and electrochemical studies of electrochemically synthesized polyaniline/copper oxide nanocomposite for energy storage devices,* ***MATERIALS RESEARCH EXPRESS, 6(12), 125557 2020***

1. *Ashokkumar, SP;Vijeth, H;…. & Devendrappa, H*

*Electrochemically Synthesized Polyaniline/Copper Oxide Nano composites: To Study Optical band gap and Electrochemical performance for Energy Storage Devices.****INORGANIC CHEMISTRY COMMUNICATIONS, 115:107865 2020***

1. *Vaid, K; Dhiman, J; Kumar, S; Kim, KH; Kumar, V*

*A Novel Approach for Effective Alteration of Morphological Features of Polyaniline through Interfacial Polymerization for Versatile Applications,* ***NANOMATERIALS, 10(12): 2404 2020***

1. *Li, YS; Fang, A;...&Chen CY*

*Preparation and Photocatalytic Properties of Heterostructured Ceria/Polyaniline Nanoparticles*

***CATALYSTS 10(7):732 2020, DOI: 10.3390/CATAL10070732***

1. *Idumah, CI; Ezeani, EO; Nwuzor, IC*

*A review: advancements in conductive polymers nanocomposites.*

***POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 2020,* *https://doi.org/10.1080/25740881.2020.1850783***

1. *Ghosh, S; Das, S; Mosquera, ME*

*Conducting Polymer-Based Nanohybrids for Fuel Cell Application,****POLYMERS, 12(12): 2993 2020***

1. *Singh,L; Singh, V*

*Synthesis of Ag@PANI nanocomposites by complexation method and their application as label-free chemo-probe for detection of mercury ions,* ***JOURNAL OF POLYMER ENGINEERING, 2020,DOI: 10.1515/polyeng-2020-0047***

1. *Amiri, M; Golmohammadi,F*

*Electrochemical synthesis of polyaniline nanocomposite based on modified gold nanoparticles and its application for electrochemical aptasensor,* ***JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2020, DOI: 10.1007/s10008-020-04761-5***

1. *Almashrea, BA; Abla, F;...& Mohamed, AA*

*Polyaniline coated gold-aryl nanoparticles: Electrochemical synthesis and efficiency in methylene blue dye removal*

***SYNTHETIC METALS, 2020, DOI: 10.1016/j.synthmet.2020.116528***

1. *Vijayakumar, A, Zhao, Y; ... & Wallace, G G*

*A Self‐Assembled CO2 Reduction Electrocatalyst: Posy‐Bouquet‐Shaped Gold‐Polyaniline Core‐Shell Nanocomposite,* ***CHEMSUSCHEM, 2020, https://doi.org/10.1002/cssc.202001248***

1. *Han, ZY; Zhu, QQ....& He, H*

*A porous organic framework composite embedded with Au nanoparticles: an ultrasensitive electrochemical aptasensor toward detection of oxytetracycline,n****JOURNAL OF MATERIALS CHEMISTRY C, 2020, DOI: 10.1039/D0TC03769A***

1. *Singh,L; Singh, V*

*Synthesis of Ag@PANI nanocomposites by complexation method and their application as label-free chemo-probe for detection of mercury ions,****BULLETIN OF MATERIALS SCIENCE, 43:307 2020, https://doi.org/10.1007/s12034-020-02300-6***

1. *Rather, JA; Al Abri, A; Kannan, P*

*Electrochemical sensing of parabens in solubilized ionic liquid system at polyaniline decorated gold nanoparticles constructed interface,* ***MICROCHEMICAL JOURNAL, 159:105379 2020***

1. *Kharkate, SK; Chourasia, S; Kose, T*

*Synthesis and Transport Properties of Polyaniline-Nickel Sulfide Nanocomposite*

***INTERNATIONAL JOURNAL OF GREEN AND HERBAL CHEMISTRY 9 (3): 303-308 2020***

1. *Abu-Thabit, NY*

*Electrically conducting polyaniline smart coatings and thin films for industrial applications****In:* *Advances in Smart Coatings and Thin Films for Future Industrial and Biomedical Engineering Applications****,* ***pp. 585-617 2020***

1. *Yesappa, L; Niranjana, M; Ashokkumar, S;* *Devendrappa, H*

*Characterization, Electrical Conductivity and Electrochemical Performance of Polyaniline-LiClO 4 -CuO Nano Composite for Energy Storage Applications,* [***POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING***](https://www.researchgate.net/journal/0360-2559_Polymer-Plastics_Technology_and_Engineering)***, 58(2): 193-205 2019***

1. *Yelilarasi, A; Anbarasan, R; Manikandan, KM*

*Electrical conductivity studies on the nanocomposites of Poly (aniline) with various initiator and oxide nanoparticles.*

***VACUUM, 2019,*** ***https://doi.org/10.1016/j.vacuum.2019.02.021***

1. *Goyal, R; Sarkar, B; Sameer, S; Bag, A; Bordoloi, A*

*Enhanced activity for cyclohexane oxidation on a highly active and stable Ag and WOx nanoparticles grafted SiO2.*

***ACS APPLIED NANO MATERIALS, 2019,*** ***https://doi.org/10.1021/acsanm.9b01430***

1. *Jin, W; Huang, X; Cheng, H; Xu, T; Wang, F; Guo, X; ... & Yang, H*

*Polyaniline hollow tubes loading tiny platinum nanoparticles for boosting methanol oxidation.*

***APPLIED SURFACE SCIENCE, 483: 489-495 2019***

1. *Cruz-Tato, P; Rivera-Fuentes, N; Flynn, M; Nicolau, E*

*Anti-Fouling Electroconductive Forward Osmosis Membranes: Electrochemical and Chemical Properties.* ***ACS APPLIED POLYMER MATERIALS****,* ***1 (5):1061–1070 2019***

1. *Goyal, R; Sarkar, B; Sameer, S; Bag, A; Bordoloi, A*

*Ag and WOx Nanoparticles Embedded in Mesoporous SiO2 for Cyclohexane Oxidation.*

***ACS APPLIED NANO MATERIALS, 2(9): 5989-5999 2019***

1. *Chopra, R; Kumar, M;...& Bhalla, V*

*Visible Light Promoted PANI@Au:CuO Catalyzed Sequential Amination, Azidation and Annulation for the Preparation of 2-Arylbenzimidazoles,* ***GREEN CHEMISTRY, 21: 3666-3674 2019***

1. *Ganganboina AB; Doong, R*

*Graphene Quantum Dots Decorated Gold-Polyaniline Nanowire for Impedimetric Detection of Carcinoembryonic Antigen,* ***SCIENTIFIC REPORTS, 9:7214 2019, DOI: 10.1038/s41598-019-43740-3***

1. *Maponya, TC; Hato, MJ;....&Katata-Seru, LM*

*Polyaniline-Based Nanocomposites for Environmental Remediation*

***In book: Heavy Metal Ions Removal, 2019, DOI: 10.5772/intechopen.82384***

1. *Çıplak, Z; Yıldız, N*

*Polyaniline-Au nanocomposite as electrode material for supercapacitor applications.****SYNTHETIC METALS, 256, 116150 2019***

1. *Liao, G, Gong, Y; Zhong, L;...&Fang, B*

*Unlocking the door to highly efficient Ag-based nanoparticles catalysts for NaBH 4 -assisted nitrophenol reduction*

***NANO RESEARCH, 2019, DOI: 10.1007/s12274-019-2441****-****5***

1. *Silva, BND*

*Utilização de filmes de polianilina na preparação de nanopartículas metálicas e bimetálicas.*

***Doctoral dissertation, Brasil, 2019, https://repositorio.ufjf.br/jspui/handle/ufjf/9773***

1. *Mahalakshmi, S; Sridevi, V*

*Conducting, crystalline and electroactive polyaniline-Au nanocomposites through combined acid and oxidative doping pathways for biosensing applications: Detection of dopamine.*

***MATERIALS CHEMISTRY AND PHYSICS, 121728, 2019,* *https://doi.org/10.1016/j.matchemphys.2019.121728***

1. *Chowdhury, AD; Park, EY*

*Methylene blue-encapsulated liposomal biosensor for electrochemical detection of sphingomyelinase enzyme.*

***SENSORS AND ACTUATORS B: CHEMICAL, 2019, https://doi.org/10.1016/j.snb.2019.127153***

1. *Kirubaharan, CJ; Kumar, GG; ... & Yong, Y C*

*Facile fabrication of Au@ polyaniline core-shell nanocomposite as efficient anodic catalyst for microbial fuel cell.*

***ELECTROCHIMICA ACTA, 328: 135136 2019***

1. *Gopalan, SA; Gopalan, AI; Vinu, A; Lee, KP; Kang, SW*

*A new optical-electrical integrated buffer layer design based on gold nanoparticles tethered thiol containing sulfonated polyaniline towards enhancement of solar cell performance.*

***SOLAR ENERGY MATERIALS AND SOLAR CELLS, 174: 112-123 2018***

1. *Shang, Y; Cao, Z; Chen, H; Sun, Y; Yao, J; Yang, L; Qi, D; Ziener, U*

*Influence of synthesis parameters on particle properties and catalytic activity of rice roll-like Au/SiO2 nanocatalysts prepared in inverse miniemulsions,* ***COLLOIDS AND SURFACE A, 537:1 – 12 2018***

1. *Carević, MV; Abazović, ND; Mitrić, MN; Ćirić-Marjanović, G;…&Čomor, MI*

*Properties of zirconia/polyaniline hybrid nanocomposites and their applicability for photocatalytic degradation of model pollutants,* ***MATERIALS CHEMISTRY AND PHYSICS, 205: 130-137 2018***

1. *Khan, AL; Jain, R*

*Polypyrrole/titanium dioxide nanocomposite sensor for the electrocatalytic quantification of sulfamoxole*

***IONICS, 24:2473–2488 2018***

1. *Mondal, P; Satra, J; Ghorui, UK; Saha, N; Srivastava, DN; Adhikary, B*

*Facile Fabrication of Novel Hetero-Structured Organic–Inorganic High-Performance Nanocatalyst: A Smart System for Enhanced Catalytic Activity towards Ciprofloxacin Degradation and Oxygen Reduction.*

***ACS APPLIED NANO MATERIALS, 2018, DOI: 10.1021/acsanm.8b00937***

1. *Manohar, M; Shahi, VK*

*Graphene Oxide-Polyaniline as a Water Dissociation Catalyst in the Interfacial Layer of Bipolar Membrane for Energy-Saving Production of Carboxylic Acids from Carboxylates by Electrodialysis.*

***ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 6(3): 3463-3471 2018***

1. *Bui, PD; Tran, HH; Kang, F; Wang, YF; Cao, TM;...&Pham VV*

*Insight into the Photocatalytic Mechanism of Tin Dioxide/ Polyaniline Nanocomposites for NO Degradation under Solar Light,* ***ACS APPLIED NANO MATERIALS, 2018, DOI: 10.1021/acsanm.8b01445***

1. *Zheng, J; Zhang, J; Wang, Z; Zhong, L; Sun, Y; Liang, Z; Li, Y; Jiang, L; Chen, X; Chi, L*

*Programmable Negative Differential Resistance Effects Based on Self‐Assembled Au@ PPy Core–Shell Nanoparticle Arrays,* ***ADVANCED MATERIALS, 2018,* *https://doi.org/10.1002/adma.201802731***

1. *Zhang, L; Du, W; Nautiyal, A; Liu, Z; Zhang, X*

*Recent progress on nanostructured conducting polymers and composites: synthesis, application and future aspects*

***SCIENCE CHINA MATERIALS, 2018, https://doi.org/10.1007/s40843-017-9206-4***

1. *Wang, L; Ding, J; Sun, S; Zhang, B; Tian, X; Zhu, J; ... & Chen, Y*

*Viologen‐Hypercrosslinked Ionic Porous Polymer Films as Active Layers for Electronic and Energy Storage Devices.*

***ADVANCED MATERIALS INTERFACES, 2018, DOI: 10.1002/admi.201701679***

1. *Deb,K; Bera, A;Bhowmik, KL; Saha, B*

*Conductive polyaniline on paper as a flexible electronic material with controlled physical properties through vapor phase polymerization,* ***POLYMER ENGINEERING AND SCIENCE, 2018, DOI:10.1002/pen.24845***

1. *Ghosh, S; Bera, S; Karmakar, N; Basu, RN*

*Enhanced Electrocatalytic Activity of Branched Pd Nanostructures Decorated Conducting Polymer Nanofibers for Alkaline Fuel Cells,* ***MATERIALS TODAY: PROCEEDINGS, 5(3), 9733-9742 2018***

1. *Lu, Z; Dai, W; Liu, B; Mo, G; Zhang, J; Ye, J; Ye, J*

*One pot synthesis of dandelion-like polyaniline coated gold nanoparticles composites for electrochemical sensing applications,* ***JOURNAL OF COLLOID AND INTERFACE SCIENCE, 525:86-96 2018***

1. *Wang, L., Sun, S., He, Y., He, N., Zhang, F., Yao, Y., ... & Chen, Y*

*Viologen-Bridged Polyaniline based Multifunctional Heterofilms for All-Solid-State Supercapacitors and Memory Devices,* ***EUROPEAN POLYMER JOURNAL,******98:125-136 2018***

1. *Sun, R., Xia, Z., Li, H., Jing, F., & Wang, S*

*Ordered Nafion® ionomers decorated polypyrrole nanowires for advanced electrochemical applications.*

***JOURNAL OF ENERGY CHEMISTRY, 27(3): 854-858 2018***

1. *Aparna, S; Elakhya, N; Gopal, G; Rajesh, P; Ramasamy, P*

*Influence of polyaniline in polyaniline-tin oxide nanocomposite as counter electrode for dye sensitized solar cells.*

***OPTIK-INTERNATIONAL JOURNAL FOR LIGHT AND ELECTRON OPTICS, 157: 1219-1226 2018***

1. *Sarkar, K; Deb, K; Debnath, A;...& Saha, B*

*Polaron localization in polyaniline through methylene blue dye interaction for tuned charge transport and optical properties,* ***COLLOID AND POLYMER SCIENCE, 2018, DOI: 10.1007/s00396-018-4419-3***

1. *Reddy,KR; Hemavathi,B; Balakrishna, GR; Raghu, AV; Naveen, S; Shankar, MV*

*Organic Conjugated Polymer-Based Functional Nanohybrids: Synthesis Methods, Mechanisms and Its Applications in Electrochemical Energy Storage Supercapacitors and Solar Cells.* ***Chapter in POLYMER COMPOSITES WITH FUNCTIONALIZED NANOPARTICLES: SYNTHESIS, PROPERTIES, AND APPLICATIONS, 357-379, 2018***

1. *Song, X; Ren, S; Yang, Y; Guo, Y; Jing, H; Mao, Q; Hao, C*

*Polyaniline-based electrocatalysts through emulsion polymerization: Electrochemical and electrocatalytic performances,* ***JOURNAL OF ENERGY CHEMISTRY, 26(1): 182-192 2017***

1. *Shi, L; Wang, Z; Gou, G; Chen, X; Yang, G; Liu, W*

*Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid Based on Graphene/Polyaniline/Glod Nanohybrids,* ***INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, 12: 2540-2551 2017***

1. *Shi, L; Wang, Z; Yang, G; Chen, X; Gou, G; Liu, W*

*Electrochemical Immunosensor for Aflatoxin B1 Based on Polyaniline/Graphene Nanohybrids Decorated with Au Nanoparticle,* ***ELECTROCHEMISTRY, 85(7): 384-390 2017***

1. *Ayad, M. M., Amer, W. A., Kotp, M. G., Minisy, I. M., Rehab, A. F., Kopecký, D., & Fitl, P*

*Synthesis of silver-anchored polyaniline–chitosan magnetic nanocomposite: a smart system for catalysis.*

***RSC ADVANCES, 7(30): 18553-18560 2017***

1. *Deshmukh, MA; Gicevičius, M; Ramanaviciene, A; Ramanavicius, A*

[*Hybrid Electrochemical/Electrochromic Cu(II) Ion Sensor Prototype Based on PANI/ITO-Electrode*](https://www.researchgate.net/publication/315747513_Hybrid_ElectrochemicalElectrochromic_CuII_Ion_Sensor_Prototype_Based_on_PANIITO-Electrode)

***SENSOR AND ACTUATORS B CHEMICAL, 248: 527-535 2017***

1. *Elakhya, N; Gayatri, G; Aparna, S;* *Rajesh, P; Ramasamy, P*

*Effect of tin oxide crystallite size on the efficacy of polyaniline-tin oxide nanocomposite based counter electrode for DSSC applications*, ***OPTIK, 142: 436-445 2017***

1. *Kim, K; Ahn, H; Park, MJ*

*Highly Catalytic Pt Nanoparticles Grown in Two-Dimensional Conducting Polymers at the Air–Water Interface.*

***ACS APPLIED MATERIALS & INTERFACES, 9(36): 30278-30282 2017***

1. *Ghosh, S; Bhandary, N; Basu, S; Basu, RN*

*Synergistic Effects of Polypyrrole Nanofibers and Pd Nanoparticles for Improved Electrocatalytic Performance of Pd/PPy Nanocomposites for Ethanol Oxidation,* ***ELECTROCATALYSIS, 2017, DOI: 10.1007/s12678-017-0374-x***

1. *Khangate, D; Kulkarni, P*

[*Synthesis and Characterization of Polyaniline-Ferric Ammonium Sulphate Nanocomposites*](https://www.researchgate.net/publication/319275977_Synthesis_and_Characterization_of_Polyaniline-Ferric_Ammonium_Sulphate_Nanocomposites)

***INTERNATIONAL JOURNAL OF CHEMTECH RESEARCH, 10(6): 315-320, 2017***

1. *Tan, Y; Liu, Y; Kong, L; Kang, L; Xu, C; Ran, F*

*In situ doping of PANI nanocomposites by gold nanoparticles for high‐performance electrochemical energy storage.*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2017, DOI: 10.1002/app.45309***

1. *Zhang, RC; Sun, D; Zhang, R; Lin, WF; Macias-Montero, M; Patel, J; Maguire, P*

*Gold nanoparticle-polymer nanocomposites synthesized by room temperature atmospheric pressure plasma and their potential for fuel cell electrocatalytic application,****SCIENTIFIC REPORTS, 7: 46682, 2017,* *doi:***[***10.1038/srep46682***](https://dx.doi.org/10.1038%2Fsrep46682)

1. *Ling, S; Zefeng, W; Zefeng, W; Guangming, Y; Wei, L*

[*Electrochemical Immunosensor for Aflatoxin B1 Based on Polyaniline/Graphene Nanohybrids Decorated with Au Nanoparticle*](https://www.researchgate.net/publication/318212105_Electrochemical_Immunosensor_for_Aflatoxin_B1_Based_on_PolyanilineGraphene_Nanohybrids_Decorated_with_Au_Nanoparticle)*,* ***ELECTROCHEMISTRY –TOKYO, 85(7):384-390 2017***

1. *Yesappa L; Niranjana M; Sharanappa Chapi, Archana K; Raghu S;Devendrappa H*

*Optical absorption and morphology of biointercalated polyaniline composites*

***ADVANCED MATERIALS PROCEEDINGS, 2(7): 436-439 2017***

1. *Maganti, L; Radhakrishnan, TP*

[*Poly(N-octadecylaniline) Synthesized at the Air-Water Interface: Aligned Nanofibers and Gold Nanocomposite Assembly via the Langmuir-Blodgett Technique*](https://www.researchgate.net/publication/319659210_PolyN-octadecylaniline_Synthesized_at_the_Air-Water_Interface_Aligned_Nanofibers_and_Gold_Nanocomposite_Assembly_via_the_Langmuir-Blodgett_Technique)*,****CHEMISTRY SELECT, 2(26):7776-7782 2017***

1. *Saravanan, R; Sacari, E; Gracia, F; Khan, MM; Mosquera, E; Gupta, VK*

*Conducting PANI stimulated ZnO system for visible light photocatalytic degradation of coloured dyes.* ***JOURNAL OF MOLECULAR LIQUIDS, 221: 1029-1033 2016***

1. *Shanmugam, R; Thamaraichelvan, A; Ganesan, TK; Viswanathan, B*

*Carbon dioxide activation and transformation to HCOOH on metal clusters (M= Ni, Pd, Pt, Cu, Ag & Au) anchored on a polyaniline conducting polymer surface–an evaluation study by hybrid density functional theory.*

***RSC ADVANCES, 6(103): 100829-100840 2016***

1. [*Tan*](https://www.researchgate.net/researcher/2090237676_Xiaoxiao_Tan)*, X;Wang, J; Pang, X; Liu, L; Sun, Q;You, Q;, Tan, F; Li, N*

*Nanocomposites for Photoacoustic/Near-Infrared Fluorescence Imaging-Guided and Single-Light Triggered Photothermal and Photodynamic Therapy,****ACS APPLIED MATERIALS & INTERFACES, 8(32), 34991-35003 2016***

1. *Nguyen, DN; Yoon, H*

*Recent Advances in Nanostructured Conducting Polymers: from Synthesis to Practical Applications.*

***POLYMERS, 8(4):118 2016, doi:***[***10.3390/polym8040118***](http://dx.doi.org/10.3390/polym8040118)

1. *Wang, L; Tang, Z; Yan, W; Yang, H; Wang, Q; Chen, S*

*Porous Carbon-Supported Gold Nanoparticles for Oxygen Reduction Reaction: Effects of Nanoparticle Size.*

***ACS APPLIED MATERIALS & INTERFACES, 8(32), 20635-20641 2016***

1. *Gutić, S; Dobrota, AS; Gavrilov, N; Baljozović, M; Pašti, IA; Mentus, SV*

*Surface Charge Storage Properties of Selected Graphene Samples in pH-neutral Aqueous Solutions of Alkali Metal Chlorides-Particularities and Universalities.* ***INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, 11: 8662-8682 2016***

1. *Deb, K, Bera, A, Saha, B*

*Tuning of electrical and optical properties of polyaniline incorporated functional paper for flexible circuits through oxidative chemical polymerization,* ***RSC ADVANCES, 6(97). 94795-94802 2016***

1. *Liu, Y; Xiang, Y; Ding, D; Guo, R*

*Structural effects of amphiphilic protein/gold nanoparticle hybrid based nanozyme on peroxidase-like activity and silver-mediated inhibition,* ***RSC ADVANCES, 6(113), 112435-112444 2016***

1. *Tan, X;Wang, J; Pang, X; Liu, L; Sun, Q; You, Q;Fengpin, T; Li, N*

*Indocyanine Green-Loaded Silver Nanoparticle@ Polyaniline Core/Shell Theranostic Nanocomposites for Photoacoustic/Near-Infrared Fluorescence Imaging-Guided and Single-Light Triggered Photothermal and Photodynamic Therapy,* ***ACS APPLIED MATERIALS & INTERFACES, 8 (51):34991–35003 2016***

1. *Gutić, S*

[*Primena materijala na bazi grafena u elektrokatalizi i skladištenju energije*](https://www.researchgate.net/publication/322056867_Primena_materijala_na_bazi_grafena_u_elektrokatalizi_i_skladistenju_energije)

***Doctoral dissertation, Univerzity of Belgrade, FFH, 2016,***  ***DOI:10.13140/RG.2.2.13707.39204***

1. *Bogdanović, U*

*Sinteza, karakterizacija i primena nanočestica bakra i zlata i njihovih kompozita sa polianilinom* ***Doctoral dissertation, Универзитет у Београду, Факултет за физичку хемију, 2016, http://nardus.mpn.gov.rs/handle/123456789/6081***

1. *Rather, J. A., Al Harthi, A. J., Khudaish, E. A., Qurashi, A., Munam, A., & Kannan, P*

*An electrochemical sensor based on fullerene nanorods for the detection of paraben, an endocrine disruptor.*

***ANALYTICAL METHODS, 8(28): 5690-5700 2016***

**61.** Laban BB, **Vodnik V,** Vasić V

*Spectrophotometric observations of thiacyanine dye J-aggregation on citrate capped silver nanoparticles,*

**NANOSPECTROSCOPY, 1(1): 54–60 2015, doi: 10.1515/nansp-2015-0004.**

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2024***

1. *Lebedev, V; Kondorskiy. A*

*Optics of plasmon-exciton nanostructures: theoretical models and physical phenomena in metal/J-aggregate systems*

***USPEKHI FIZICHESKIH NAUK, 2024, DOI: 10.3367/UFNR.2024.08.039742***

1. *Marcelo. GA; Galhano, J; Oliveira, E*

*Applications of cyanine-nanoparticle systems in science: Health and environmental perspectives*

***DYES AND PIGMENTS, 208: 110756 2023***

1. *Kondorskiy, AD; Moritaka, SS; Lebedev, VS*

*Manifestation of the anisotropic properties of the molecular J-aggregate shell in optical spectra of plexcitonic nanoparticles.* ***OPTICS EXPRESS, 30(3): 4600-4614 2022***

1. *Karegar, M; Khodaei, MM*

*Magnetic polyindole-Ag composite for the catalytic reduction and removing of the organic pollutants*

***POLYMER BULLETIN, 2022, DOI: 10.1007/s00289-021-04043-8***

1. *Kondorskiy, AD; Lebedev, VS*

*Size and Shape Effects in Optical Spectra of Silver and Gold Nanoparticles*

***JOURNAL OF RUSSIAN LASER RESEARCH, 2021,DOI: 10.1007/s10946-021-10012-3***

1. *Khurshid, S;Gul, Z;….&Aslam, F*

*Anionic azo dyes removal from water using amine-functionalized cobalt–iron oxide nanoparticles: a comparative time-dependent study and structural optimization towards the removal mechanism*

***RSC ADVANCES 10(2):1021-1041 2020***

1. *Lam, NT; Kondorskiy, AD; Lebedev, VS*

*Extinction Spectra of Bilayer Organometallic Nanoplatelets.*

***BULLETIN OF THE LEBEDEV PHYSICS INSTITUTE, 46(12), 390-394 2020***

1. *Veljović, DN; Gurešić, DM;… & Laban, BB*

*Solid‐State Synthesis of Silver Nanoparticles and Their Catalytic Application in Methylene Blue Reduction.* ***CHEMISTRY SELECT, 5(34): 10488-10494 2020***

1. *Moritaka, SS; Mekshun, AV; Lebedev, V S; Kondorskii, AD*

*Light Absorption and Scattering Spectra of Gold Nanospheres Coated with TDBC J-Aggregates.*

***BULLETIN OF THE LEBEDEV PHYSICS INSTITUTE, 47(9), 280-284 2020***

1. *Terenteva, EA; Apyari, VV; Dmitrienko, SG; Garshev, AV; Volkov, PA; Zolotov, YA*

*Determination of pyrophosphate and sulfate using polyhexamethylene guanidine hydrochloride-stabilized silver nanoparticles,* ***TALANTA, 180: 346-351 2018***

1. *Yefimova, SL; Grygorova, GV; Klochkov, VK; Borovoy, IA; Sorokin, AV;Malyukin, YV*

*Molecular Arrangement in Cyanine Dye J-Aggregates Formed on CeO2 Nanoparticles.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2018, DOI: 10.1021/acs.jpcc.8b06590***

1. *Shapiro, BI; Nekrasov, AD; Manulik, EV; Krivobok, VS; Lebedev, VS*

*Optical and photoelectric properties of multichromic cyanine dye J-aggregates.*

***QUANTUM ELECTRONICS, 48(9): 856-866 2018***

1. *Bricks, JL; Slominskii, YL; Panas, ID; Demchenko, AP*

*Fluorescent J-aggregates of cyanine dyes: basic research and applications Review*

***METHODS AND APPLICATIONS IN FLUORESCENCE, 2017,*** [***https://doi.org/10.1088/2050-6120/aa8d0d***](https://doi.org/10.1088/2050-6120/aa8d0d)

1. *Terenteva, EA; Apyari,V V; Kochuk, EV;Zolotov, YuA*

[*Use of silver nanoparticles in spectrophotometry*](https://www.researchgate.net/publication/320803608_Use_of_silver_nanoparticles_in_spectrophotometry)*,* ***JOURNAL OF ANALYTICAL CHEMISTRY, 72(11):1138-1154 2017***

1. *Laban, B; Košanin, M: Isić, G; Ralević, U; Marković, M; Jokić, A, Vasić, V*

*Preparation of silver and copper nanoparticles in presence of ascorbic acis and investigatio og their antibacterial activity,****University thought, Publication in Natural Sciences, 2017,* *DOI: 10.5937/univtho7-14762***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana,****Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

**62.** Laban, B; Zeković, I; Vasić, D; Marković, M; **Vodnik, V**; Luce,M; Cricenti, A; Dramićanin,M; Vasić,V

*Mechanism of 3,3’-Disulfopropyl-5,5’-Dichloro Thiacyanine Anion Interaction With Citrate-Capped Silver Nanoparticles: Adsorption and J-aggregation,*

**THE JOURNAL OF PHYSICAL CHEMISTRY C, 120 (32): 18066–18074 2016**

1. *Laban, BB; Ralević, U;...Vujačić, A*

*Spectral and cytotoxicity studies of hybrid silver nanoparticles in human lymphocytes*

***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, 2025, DOI: 10.1016/j.saa.2025.126360***

1. *Ghimire, Y*

*Polymers and their Nanostructures in Therapeutic Delivery: An Overview*

***JOURNAL OF VISHWA ADARSHA COLLEGE, 2024, DOI: 10.3126/jovac.v1i1.68065***

1. *Laban, BB; Pasti, TL;...&Klekotka, U*

*Methionine Capped Nanoparticles as Acetylcholinesterase Inhibitors*

***EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 26(12), p.e202200754 2023***

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2023***

1. *Karegar, M; Khodaei, MM*

*Magnetic polyindole-Ag composite for the catalytic reduction and removing of the organic pollutants*

***POLYMER BULLETIN, 2022, DOI: 10.1007/s00289-021-04043-8***

1. *Banerjee, S; Chakraborty, D;... & Sarkar, M*

*Understanding the Interaction between Inorganic and Organic Excitonic Components of an Inorganic‐Organic Nanohybrid Associate.* ***CHEMNANOMAT, 2022, https://doi.org/10.1002/cnma.202200117***

1. *Anićijević, VJ; Lazarević-Pašti, TD;...&Vasić Anićijević, DD*

*An Insight into the Efficient Dimethoate Adsorption on Graphene-Based Materials—A Combined Experimental and DFT Study.* ***APPLIED SCIENCES, 11(9): 4014 2021***

1. *Laban, B; Ralević, U; Petrović, S;...& Vasić, V*

*Green synthesis and characterization of nontoxic L-methionine capped silverand gold nanoparticles*

***JOURNAL OF INORGANIC BIOCHEMISTRY 204: 1109582 2020***

1. *Banerjee, S; Preeyanka, N; Dey, H;... & Sarkar, M*

*Highly Efficient Energy Transfer from Fluorescent Gold Nanoclusters to Organic J-Aggregates.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2020, https://doi.org/10.1021/acs.jpcc.9b10347***

1. *Nikezić, AV;, Bondžić, AM; Vasić, VM*

*Drug Delivery Systems Based on Nanoparticles and Related Nanostuctures.*

***EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, 2020, https://doi.org/10.1016/j.ejps.2020.105412***

1. *Anicijevic, V; Lazarevic-Pasti, T*

*Organophosphates – application, effects on human health and removal* ***In book: Organophosphate Pesticides, Nova Science Publishers, New York, 2020, https://novapublishers.com/shop/organophosphate-pesticides***

1. *Li, QY; Wang, L; Yu, X; Xu, L*

*Highly Efficient Removal of Silver Nanoparticles by Sponge-like Hierarchically Porous Thiourea-Formaldehyde Resin from Water,****JOURNAL OF HAZARDOUS MATERIALS, 400: 123184 2020***

1. *Agrawal, AK; Sahu, PK; Seth, S; Sarkar, M*

*Electrostatically Driven Fӧrster Resonance Energy Transfer between a Fluorescent Metal Nanoparticle and J-Aggregate in an Inorganic-Organic Nanohybrid Material.*

***THE JOURNAL OF PHYSICAL CHEMISTRY C, 2019,* *DOI: 10.1021/acs.jpcc.8b10274***

1. *Binaymotlagh, R; Farrokhpour, H; Hadadzadeh, H; Mirahmadi-Zare, SZ; Amirghofran, Z*

*A Combined Experimental and Computational Study of the In Situ Adsorption of Piroxicam Anions on the Laser-Generated Gold Nanoparticles.****THE JOURNAL OF PHYSICAL CHEMISTRY C, 2017, DOI: 10.1021/acs.jpcc.6b12962***

1. *Laban, B; Košanin, M: Isić, G; Ralević, U; Marković, M; Jokić, A, Vasić, V*

*Preparation of silver and copper nanoparticles in presence of ascorbic acis and investigatio og their antibacterial activity,* ***University thought, Publication in Natural Sciences, 2017,* *DOI: 10.5937/univtho7-14762***

1. *Laban, BB*

*J-agregacija boje 3, 3'-disulfopropil-5, 5'-dihlortiocijanina na koloidnim česticama srebra različitih svojstava*

***Doctoral dissertation, Univerzitet u Beogradu-Hemijski fakultet, 2017, http://uvidok.rcub.bg.ac.rs/handle/123456789/1752***

1. *Smajić, MM*

*Određivanje strukture farmakofore antagonista angiotenzinskih AT1 receptora i hemometrijski pristup optimizaciji HPLC metode za određivanje losartana, valsartana i irbesartana* ***Doctoral dissertation, Универзитет у Београду, Фармацеутски факултет, 2016,*** ***http://nardus.mpn.gov.rs/handle/123456789/6947***

**63.** Momic, T; Lazarevic Pašti, T; Bogdanovic, U; Vodnik, V; Mrakovic, A; Rakocevic, ZL; Pavlovic, VB; Vasic, V, *Adsorption of organophosphate pesticide dimethoate on gold nanospheres and nanorods*

**JOURNAL OF NANOMATERIALS, VOLUME 2016, ARTICLE ID 8910271, 11 PAGES, 2016, http://dx.doi.org/10.1155/2016/8910271.**

1. *Dumri, K; Anh, DH; Witthayaprapakorn, C*

*Removal of Organophosphate Insecticides in Runoff Water Model Consists of Fine Micro Bubble Water Generator and Absorptive Organobentonite Ceramic Composites Balls,*

***International Journal of Environmental Science and Development, 16(2):119-124 2025***

1. *Zulfiqar, N; Ali, M...& Khan, F*

*Synthesis of metal nanoparticles and their role in degradation of pesticides/herbicides: a review*

***SN APPLIED SCIENCES 7(6):558 2025***

1. *Mehta, J; Dhaka, RK;… & Kumar, S*

*Recent advancements in adsorptive removal of organophosphate pesticides from aqueous phase using nanomaterials.*

***JOURNAL OF NANOSTRUCTURE IN CHEMISTRY, 14(1): 53-70 2024***

1. *Annavi, A; Manickam, M*

*Fabrication of iron nanoparticles from tea waste as an efficient adsorbent towards the removal of profenofos pesticide from aquatic environment.****INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 104(2): 404-423 2024***

1. *Yang, Z; Shen, J*

*A review: metal and metal oxide nanoparticles for environmental applications*

***NANOSCALE, 2025, DOI: 10.1039/D5NR01973G***

1. *Adesanmi, BO;* *Mantripragada, S;...& Wei, J*

*Adsorptive removal of organophosphate pesticides from aqueous solution using electrospun carbon nanofibers*

***FRONTIERS IN CHEMISTRY, 2024,DOI: 10.3389/fchem.2024.1454367***

1. *Sidhu, AK; Sharma, M*

*Nanoscale solutions for a macro impact: environmental applications unveiled*

***In book: Nanotoxicology for Agricultural and Environmental Applications, 2024, DOI: 10.1016/B978-0-443-15570-3.00020-X***

1. *Khaloo, S; Jafari, A;...Gholamnia, R*

*Removal of Dimethoate Pesticide Using Double Layer Hydroxide@Graphene Oxide: Optimization Via Response Surface Methodology and Neural Networks,* ***IRANIAN JOURNAL OF SCIENCE, 2024, DOI: 10.1007/s40995-024-01771-0***

1. *Pomal, NC; Kundariya, D;...& Bhatt, VD*

*Calix[4]pyrrole-Grafted Gold Nanoparticles as a Turn-On Fluorescence Sensor for Noxious Fungicide Dimoxystrobin and Their Anti-Cancer Activity against the KB-3-1 Cell Line,* ***CHEMISTRYSELECT, 2023,DOI: 10.1002/slct.202204252***

1. *Chaudhari, YS; Kumar, P;...&Yadav, KK*

*An inclusive outlook on the fate and persistence of pesticides in the environment and integrated eco-technologies for their degradation,* ***TOXICOLOGY AND APPLIED PHARMACOLOGY, 2023, DOI: 10.1016/j.taap.2023.116449***

1. *Matić, IZ; Mraković, A;…Momić, T*

*[Anticancer effect of novel luteolin capped gold nanoparticles selectively cytotoxic towards human cervical adenocarcinoma HeLa cells: An in vitro approach](https://www.researchgate.net/publication/373320539_Anticancer_effect_of_novel_luteolin_capped_gold_nanoparticles_selectively_cytotoxic_towards_human_cervical_adenocarcinoma_HeLa_cells_An_in_vitro_approach/references?utm_medium=email&utm_source=researchgate&utm_campaign=re413&loginT=YskX6jI_WFg0Hp1jbbFByq6bBIo1yTDI763jGePCIMJivf8OQuSM2nCazDLZ9fhZmJU27vfskQ&pli=1&utm_term=re413_p_pb_ln_bra&utm_content=re413_p_pb_ln_bra_p2&cp=re413_p_pb_ln_bra_p2&uid=z0QyBTre6L0PX82uB0n2DL15h1ICKyhC1Y85&ch=reg" \t "_blank),* ***JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, 80:127286 2023***

1. *Liu, KG; Bigdeli, F;...& Morsali, A*

*Role of metal-organic framework composites in removal of inorganic toxic contaminants*

***JOURNAL OF CLEANER PRODUCTION, 2023, DOI: 10.1016/j.jclepro.2023.136709***

1. *Lung, I; Soran, M. L;... & Opriş, O*

*Application of CNT-COOH/MnO2/Fe3O4 Nanocomposite for the Removal of Cymoxanil from Aqueous Solution: Isotherm and Kinetic Studies.* ***ANALYTICAL LETTERS, 56(2): 216-230 2023***

1. *Kumari, T; Shukla, V*

*Exploring the multipotentiality of plant extracts for the green synthesis of iron nanoparticles: A study of adsorption capacity and dye degradation efficiency****, ENVIRONMENTAL RESEARCH, 2023,DOI: 10.1016/j.envres.2023.116025***

1. *Tasić, T: Milanković, V;...& Lazarević-Pašti, T*

*Application of Viscose-Based Porous Carbon Fibers in Food Processing-Malathion and Chlorpyrifos Removal*

***FOODS 12(12):2362 2023***

1. *Iwuozor, KO; Emenike, EC;...& Igwegbe, CA*

*Adsorption of organophosphate pesticides from aqueous solution: a review of recent advances.*

***INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 20(5): 5845-5894 2023***

1. *Mirzaei, M; Khoei, AJ; Rezaei, K*

*Purification of the organophosphorus pesticide chlorpyrifos from the aquatic environment using carbon nanoparticle media in a particle trap system equipped with a biodraft,* ***ANIMAL ENVIRONMENT, 15(1): 245-252 2023***

1. *Melliti, E; Mejri, A;...& Mars, A*

*MNPs for Remediation of Toxicants and Wastewater Treatment*

***In Book: Metallic Nanoparticles for Health and the Environment, 2023, CRC Press, ISBN: 9781003317319,***

1. *Bondzič, AM; Pasti TDL...&Parac-Vogt, TN*

*Synergistic Effect of Sorption and Hydrolysis by NU-1000 Nanostructures for Removal and Detoxification of Chlorpyrifos*

***ACS APPL. NANO MATER., 2022, https://doi.org/10.1021/acsanm.1c03863***

1. *Ore, OT; Adeola, A;...&Nomngongo, PN*

*Organophosphate pesticide residues in environmental and biological matrices: Occurrence, distribution and potential remedial approaches,* ***ENVIRONMENTAL CHEMISTRY AND ECOTOXICOLOGY, 2022, DOI: 10.1016/j.enceco.2022.10.004***

1. *Chadha, R; Das, A;...&Maiti, N*

*γ-Cyclodextrin Capped Silver and Gold Nanoparticles as Colorimetric and Raman Sensor for detecting traces of pesticide “Chlorpyrifos” in Fruits and Vegetables* ***COLLOIDS AND SURFACES A, 641:128558 2022***

1. *Mehta, J; Dhaka, RK.;...&Kumar, S*

*Recent advancements in adsorptive removal of organophosphate pesticides from aqueous phase using nanomaterials.*

***J NANOSTRUCT CHEM, 2022, https://doi.org/10.1007/s40097-022-00516-y***

1. *Sen, K*

*Application of nanotechnology in pesticides adsorption with statistical optimization and modeling*

***In book: Cognitive Data Models for Sustainable Environmentž, 2022, DOI: 10.1016/B978-0-12-824038-0.00005-5***

1. *Adegoke, KA; Olagunju, AO;...&Bello, OS*

*Adsorptive Removal of Endocrine-Disrupting Chemicals from Aqueous Solutions: a Review*

***WATER AIR AND SOIL POLLUTION, 2022, DOI: 10.1007/S11270-021-05405-8***

1. *Iwuozor, KO; Emenike, EC;...& Igwegbe, CA*

*Adsorption of organophosphate pesticides from aqueous solution: a review of recent advances*

***International journal of Environmental Science and Technology, 2022, DOI: 10.1007/s13762-022-04410-6***

1. *Albaqami, M; Alobaid, AO; Nafady, A*

*Efficient Adsorption of Carbofuran via Tailored Porous Polyacrylonitrile Film Incorporating Ti-MIL Coordination Polymer*

***Journal of inorganic and organometallic polymers and materials, 2022, DOI: 10.1007/s10904-021-02205-9***

1. *Annavi, A., & Manickam, M*

*Fabrication of iron nanoparticles from tea waste as an efficient adsorbent towards the removal of profenofos pesticide from aquatic environment,* ***International journal of environmental analytical chemistry, 104(2):404-423 2022***

1. *Jocic, A; Breitenbach, S;...Pasti, TL*

*Viscose-Derived Activated Carbons Fibers as Highly Efficient Adsorbents for Dimethoate Removal from Water*

***MOLECULES 27(5):1477 2022, DOI: 10.3390/molecules27051477***

1. *Sahithya, K; Kounin, S; ...&Arjun, KP*

*Applications of Nanomaterials for Adsorptive and Catalytic Removal of Chemical Pesticides: An Overview*

***ASIAN JOURNAL OF CHEMISTRY 34(4):807-818 2022***

1. *Lung, I; Soran, ML;... & Opriş, O*

*Application of CNT-COOH/MnO2/Fe3O4 Nanocomposite for the Removal of Cymoxanil from Aqueous Solution: Isotherm and Kinetic Studies,* ***ANALYTICAL LETTERS, 2022,*** ***https://doi.org/10.1080/00032719.2022.2043888***

1. *Wang, S; Shen, Z...Lyu, J*

*Adsorption-regeneration process for removing dimethoate and recovering phosphorus with three-dimensional hierarchically porous carbon,* ***Journal of Environmental Chemical Engineering, 2022, DOI: 10.1016/j.jece.2022.107716***

1. *Boulkhessaim, S; Gacem, A;...& Jeon, BH*

*Emerging Trends in the Remediation of Persistent Organic Pollutants Using Nanomaterials and Related Processes: A Review*

***NANOMATERIALS 12(13):2148 2022***

1. *Ghimici, L; Constantin, M; Nafureanu, MM*

*Grafted Pullulan Derivatives for Reducing the Content of Some Pesticides from Simulated Wastewater.*

***POLYMERS, 14(13): 2663 2022***

1. *Mirzaei, M; Javanshir Khoei, A;...& Eagderi, S*

*Study on biological function of oyster (Anodonta cygnea) in reducing chlorpyrifos organophosphate pesticide from aquatic environment.* ***UTILIZATION AND CULTIVATION OF AQUATICS, 11(3), 69-83 2022***

1. *Mirzaei, MR*

*Effect of different fungicides and insecticides in maize seed coating on germination traits,*

***IRANIAN JOURNAL OF SEED SCIENCE AND TECHNOLOGY, 11(2), 69-82 2022***

1. *Jaiswal, DK; Krishna, R;...& Yadav, J.*

*Toxicity of Organophosphate Pesticide on Soil Microorganism: Risk Assessments Strategies*

***In Emerging Trends in Plant Pathology (pp. 257-295). Springer, 2021,* *https://doi.org/10.1007/978-981-15-6275-4\_12***

1. *Shahmahmoodi, Z; Jafarinejad, S;...&* *Ghazi-Khansari, M*

*Protective Effects of Gold Nanoparticles Against Malathion-Induced Cytotoxicity in Caco-2 Cells*

***ACTA MEDICA IRANICA, 2021, DOI: 10.18502/acta.v58i11.5141***

1. *Ray, J; Samanta, SK; Tripathy, T*

*Adsorption of toxic organophosphorus pesticides from aqueous medium using dextrin‐graft‐poly(2‐acrylamido‐2‐methyl propane sulfonic acid‐co‐acrylic acid) copolymer: Studies on equilibrium kinetics, isotherms, and thermodynamics of interactions,* ***POLYMER ENGINEERING AND SCIENCE, 2021, DOI: 10.1002/pen.25805***

1. *Uddin, S*

*Removal of Pesticides Using Carbon-Based Nanocomposite Materials.* ***In боок: Environmental Remediation Through Carbon Based Nano Composites Springer, Singapore, pp. 365-385, 2021***

1. *Abdelhameed, RM; Abdel-Gawad, H; Emam, HE*

*Macroporous Cu-MOF@ Cellulose Acetate Membrane Serviceable in Selective Removal of Dimethoate Pesticide from Wastewater.****JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 9(2): 105121 2021***

1. *Punia, P; Bharti, M. K;...đ & Thakur, A*

*Recent advances in synthesis, characterization, and applications of nanoparticles for contaminated water treatment-a review****. CERAMICS INTERNATIONAL, 47(2), 1526-1550 2021***

1. *Pukkao, J; Pisitsak, P...&Inprasit, T*

*Characterization of UiO-67 Decoration onto UV-crosslinked-poly(vinyl alcohol) Nanofibes for Adsorption Application*

***FIBERS AND POLYMERS, 2021, DOI: 10.1007/S12221-021-1417-8***

1. *Gacem, MA; Telli, A; Aminata, K*

*Nanomaterials for detection, degradation, and adsorption of pesticides from water and wastewater*

***In book: Aquananotechnology 1st Edition Applications of Nanomaterials for Water Purification, 2021, 325-346.***

1. *Ravi, R; Hiranmai, RY*

*Bioremediation: Efficient Technology to Combat Pesticide Pollutants in Environment*

***In book: Strategies and Tools for Pollutant Mitigation, 2021,******DOI: 10.1007/978-3-030-63575-6\_8***

1. *Nithya, TG; Priya, S; Murugesan, K*

*Bioremediation of Heavy Metals Using Salvina Molesta – A Freshwater Aquatic Weed*

***In book: Strategies and Tools for Pollutant Mitigation, 2021, DOI: 10.1007/978-3-030-63575-6\_16***

1. *Ayele, A, Suresh, A; Benor, S*

*Phycoremediation of Heavy Metals, Factors Involved and Mechanisms Related to Functional Groups in the Algae Cell Surface,* ***In book: Strategies and Tools for Pollutant Mitigation, 2021,* *DOI: 10.1007/978-3-030-63575-6\_13***

1. *Prabhu, SV; Srinivasan, NR;Hailegiorgis, SM*

*Heavy Metal Extraction from E-Waste Through Bioleaching: A Promising Ecofriendly Approach*

***In book: Strategies and Tools for Pollutant Mitigation, 2021, DOI: 10.1007/978-3-030-63575-6\_14***

1. *Dhir, B*

*Nanomaterials for Remediation of Pesticides*

***In book: New Frontiers of Nanomaterials in Environmental Science, 2021, DOI: 10.1007/978-981-15-9239-3\_8***

1. *Dhiman, N; Kumar, R...&Kumar, R*

*Nanotechnology for the Remediation of Heavy Metals*

***In book: New Frontiers of Nanomaterials in Environmental Science, 2021, DOI: 10.1007/978-981-15-9239-3\_6***

1. *Ghimici, U; Nichifor, M*

*Efficacy of quaternary ammonium groups based polyelectrolytes for the reduction of various pesticide formulations content from synthetic wastewater,* ***SEPARATION AND PURIFICATION TECHNOLOGY 276(11):119325 2021***

1. *Abdelhameed, R; Shaltout, AA;...&Emam, HE*

*Efficient elimination of chlorpyrifos via tailored macroporous membrane based on Al-MOF*

***SUSTAINABLE MATERIALS AND TECHNOLOGIES 29(23):e00326 2021***

1. *Abdelhameed, RM.; Taha, M; Abdel-Gawad, H; Hegazi, B*

*Amino-functionalized Al-MIL-53 for dimethoate pesticide removal from wastewater and their intermolecular interactions. ,****JOURNAL OF MOLECULAR LIQUIDS, 2021, https://doi.org/10.1016/j.molliq.2020.114852***

1. *Moustafa, M; Abu-Saied, MA; ... & Al-Khatani, M*

*Chitosan functionalized AgNPs for efficient removal of Imidacloprid pesticide through a pressure-free design.*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 168: 116-123 2021***

1. *Albaqami, MD; Alobaid, AO;Nafady , A*

*Efficient Adsorptive of Carbofuran Via Tailored Porous Polyacrylonitrile Film Incorporated Ti-MIL Coordination Polymer,* ***RESEARCH SQUARE, 2021, DOI: 10.21203/rs.3.rs-978002/v1***

1. *Sun,Y; Kumar, M;...&Tsang, D*

*Biotechnology for soil decontamination,****In book: Bio-Based Materials and Biotechnologies for Eco-efficient ConstructionPublisher: Elsevier, 2020, DOI: 10.1016/B978-0-12-819481-2.00013-1***

1. *Jain, M; Mudhoo, A;....&Sillanpaa, M*

*Adsorption, degradation, and mineralization of emerging pollutants (pharmaceuticals and agrochemicals) by nanostructures: a comprehensive review,* ***Environmental science and pollution research, 2020, DOI: 10.1007/s11356-020-09635-x***

1. *Handojo, LA; Ikhsan, NA;....&Indarto, A*

*Nanotechnology for remediations of agrochemicals*

***In book: Agrochemicals Detection, Treatment and Remediation, 2020, DOI: 10.1016/B978-0-08-103017-2.00020-9***

1. *Luderwald, S; Meyer, F;....&Bundschuh, M*

*Reduction of Pesticide Toxicity Under Field Relevant Conditions? The Interaction of Titanium Dioxide Nanoparticles, UV, and NOM,* ***ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, 2020, DOI: 10.1002/etc.4851***

1. *Shahmahmoodi, Z; Jafarinejad, S;... & Ghafari, H*

*Protective Effects of Gold Nanoparticles Against Malathion-Induced Cytotoxicity in Caco-2 Cell.*

***ACTA MEDICA IRANICA, 58(11):552-561 2020***

1. *Punia, P; Bharti, MK;.... & Thakur, A*

*Recent advances in synthesis, characterization, and applications of nanoparticles for contaminated water treatment-A review,****CERAMICS INTERNATIONAL, 2020,*** ***https://doi.org/10.1016/j.ceramint.2020.09.050***

1. *Naresh, R; Parameshwaran, R; Ram, V*

*Bio-based phase-change materials*

***In book: Bio-Based Materials and Biotechnologies for Eco-Efficient Construction, 2020, Elsevier, 203-242.***

1. *Luizzi, S; Rubino, C; Martellotta, F*

*Properties of clay plasters with olive fibers,* ***In book: Bio-Based Materials and Biotechnologies for Eco-Efficient Construction****,****2020, DOI: 10.1016/B978-0-12-819481-2.00009-X***

1. *Pandey, V; Ganeshpurkar, A;...&Tekade, RK*

*Gold nanoparticles: An advanced drug delivery and diagnostic tool*

***In book: The Future of Pharmaceutical Product Development and Research, Elsevier, 2020, 609-669.***

1. *Liu, T; Xu, S; Lu, S: & Liu, X*

*A review on removal of organophosphorus pesticides in constructed wetland: Performance, mechanism and influencing factors.* ***SCIENCE OF THE TOTAL ENVIRONMENT, 651: 2247-2268 2019***

1. *Pasti, TL; Anićijević, V; ...& Karkalić, R*

*Esters of Organophosphorus Acids - Toxicity, Application and Removal from the Environment*

***SCIENTIFIC TECHNICAL REVIEW, 69(3):15-29 2019***

1. *Pašti, TL, Vasić, V*

*Toxicity of Chlorpyrifos and Its Removal from the Environment*

***In book: Advances in Environmental Research – Volume 69, Nova Science Publishers, 2019, p. 1-48***

1. *Hung, SH; Lee, JY; Hu, CC; Chiu, TC*

*Gold-nanoparticle-based fluorescent “turn-on” sensor for selective and sensitive detection of dimethoate.*

***FOOD CHEMISTRY, 260: 61-65 2018***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***Chapter In Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

1. *Othman, A; Dumitrescu, E; Andreescu, D; Andreescu, S*

*Nanoporous Sorbents for the Removal and Recovery of Phosphorus from Eutrophic Waters: Sustainability Challenges and Solutions.,****ACS SUSTAINABLE CHEMISTRY & ENGINEERING, 2018, DOI: 10.1021/acssuschemeng.8b01809***

1. *Nugroho, BH; Suparmi, S;...&* *Syifaudin, MR*

*Preparation and characterization of gold nanoparticles Lamtoro extract (Leucaena leucocephala (Lam.) de Wit) with eco-friendly biosynthesis process* ***AIP Conference Proceedings 2026, 020076 ,2018, https://doi.org/10.1063/1.5065036***

1. *Handalis, BBN*

*Preparasi dan karakterisasi nanopartikel emas ekstrak daun singkong gajah (manihot esculenta crantz.) dengan proses biosintesis high energy.****Doctoral dissertation, Faculty of Mathematics and Natural Sciences, Indonesia, 2018,***

[***https://dspace.uii.ac.id/handle/123456789/6603***](https://dspace.uii.ac.id/handle/123456789/6603)

1. *Avila-Salas, F; Marican, A; Villaseñor, J; Durán-Lara, EF*

[*In-Silico Design, Synthesis and Evaluation of a Nanostructured Hydrogel as a Dimethoate Removal Agent*](https://www.researchgate.net/publication/322251164_In-Silico_Design_Synthesis_and_Evaluation_of_a_Nanostructured_Hydrogel_as_a_Dimethoate_Removal_Agent)

***NANOMATERIALS, 2018, DOI:10.3390/nano8010023***

**64.** Dojčilović, R; Pajović, JD; Božanić, DK; ; **Vodnik, VV**; Dimitrijević-Branković,S; Milosavljević, A; Kaščáková, S; Réfrégiers, M; Đoković, V, *A fluorescent nanoprobe for single bacterium tracking: functionalization of silver nanoparticles with tryptophan to probe the nanoparticle accumulation with single cell resolution*

**ANALYST, 141:1988-1996 2016**

1. *Xiang, L; Wang, Y;...Gao, D*

*Tiopronin-AuAg@BCp12 Nanoclusters with Enhanced Aggregation-Induced Emission and Synergistic Antibacterial Effect*

***ACS APPLIED NANO MATERIALS, 2025, DOI: 10.1021/acsanm.5c01880***

1. *Ristić, B; Trpkov, Đ;...&Drvenica, IT*

*Nitrogen-doped carbon dots as biocompatible fluorescent agents for labelling human red blood cells*

***BIOMATERIALS ADVANCES, 2025,DOI: 10.1016/j.bioadv.2025.214296***

1. *Varna, DP; Geromichalos,GD;...& Angaridis, P*

*Amine-substituted heterocyclic thioamide Cu(I) and Ag(I) complexes as effective anticancer and antibacterial agents targeting the periplasm of E. coli bacteria,* ***EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY******277(8):116746 2024***

1. *Khan, RA; Anwar, S;…&Raffi, M*

*Antibacterial Efficacy of Tryptophan Coordinated Silver Nanoparticles Against E. coli: Spectroscopic and Microscopic Evaluation of Bacterial Cell Death,* ***JOURNAL OF FLUORESCENCE, 2024, DOI: 10.1007/s10895-024-03987-0***

1. *Anwar, S; Khan, RA;...& Zaheer, Y*

*Enhanced antibacterial activity of self-fluorescent Zn-coordinated tryptophan nanoparticles: a mechanistic approach to study bacterial disintegration,* ***EMERGENT MATERIALS, 2024,DOI: 10.1007/s42247-024-00954-0***

1. *Rothenhäusler, F; Huser, D; Ruckdaschel, H*

*Curing reactions, reaction kinetics, and latency of epoxy resin cured with L‐tryptophan and L‐tyrosine*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2024, DOI: 10.1002/app.56410***

1. *Pajovic, JD; Dojčijović, R;...Djoković*

*Enhanced resonance energy transfer in gold nanoparticles bifunctionalized by tryptophan and riboflavin and its application in fluorescence bioimaging****, COLLOIDS AND SURFACES B: BIOINTERFACES, 2023, DOI: 10.1016/j.colsurfb.2023.113340***

1. *Božanić, D. K., Dojčilović, R., Pajović, J. D., Tošić, D., Dudić, D., Réfrégiers, M., & Djoković, V*

*Fluorescence microscopy and photodielectric characterization studies of the composite films of polyvinyl alcohol and tryptophan functionalized silver nanoparticles.* ***COLLOIDS AND SURFACES A, 634: 128050 2022***

1. *Thompson, S; Jorns, M; Pappas, D*

*Synthesis and Characterization of Dye-Doped Au@ SiO 2 Core-Shell Nanoparticles for Super-Resolution Fluorescence Microscopy.* ***APPLIED SPECTROSCOPY, 76(11): 1367-1374 2022***

1. *Oak, U; Khare, T*

*Nanoparticle Functionalization: Approaches and Applications*

***In book: Nano-Strategies for Addressing Antimicrobial Resistance, 2022, DOI: 10.1007/978-3-031-10220-2\_4***

1. *Bozanic, DK; Dojcilpvic, R;…Djokovic, V*

*Fluorescence microscopy and photodielectric characterization studies of the composite films of polyvinyl alcohol and tryptophan functionalized silver nanoparticles,* ***Colloids andSsurfaces A:Pphysicochemical and engineering aspects,******634: 128050 2022***

1. *Voicescu, M; Craciunescu, O…&Moldovan, L*

*Fluorescent Flavin/PVP-Coated Silver Nanoparticles: Design and Biological Performance*

***JOURNAL OF FLUORESCENCE, 2022, DOI: 10.1007/S10895-022-02909-2***

1. *Zhang, X; Na, N; Ouyang, J, Droplet-based extraction mass spectrometry,* ***TRENDS IN ANALYTICAL CHEMISTRY, 143: 116366 2021***
2. [*Courrol*](https://www.researchgate.net/scientific-contributions/2147804995_DOS_SANTOS_COURROL_DANIELLA?_sg=N-nGGNBCzv2_t77yj0Sa7kKWiHp6nd5szg1TKotts2ctoTIs3Bq0RLYif0qcsg-0IHEg9_c.Md6MSDhfXHI44F4XIK2W85f3FDHGwe6ApurIV5G6EuSoxWifXikjJ3Ck795mTvYbgjdLVWoSweinm-j-iT5sYA)*, DDS; Lopes, CRB; …& Pereira, CBP*

*Tryptophan Silver Nanoparticles Synthesized by Photoreduction Method: Characterization and Determination of Bactericidal and Anti-Biofilm Activities on Resistant and Susceptible Bacteria*

***INTERNATIONAL JOURNAL OF TRYPTOPHAN RESEARCH, 2019, DOI: 10.1177/1178646919831677***

1. *Yin, L;, Zhang, Z; Liu, Y; Gao, Y; Gu, J*

*Recent advances in single-cell analysis by mass spectrometry. ,****ANALYST, 144(3),:824-845 2019***

1. *dos Santos Courrol, D; Lopes, C; Courrol, DS; Thiago, DSC*

*Optical properties and antimicrobial effects of silver nanoparticles synthesized by femtosecond laser photoreduction*

***OPTICS & LASER TECHNOLOGY, 103: 233-238 2018***

1. *Radziwiłł-Bieńkowska, J; Talbot, P; Kamphuis, JBJ et al.*

*Toxicity of Food-Grade TiO2 to Commensal Intestinal and Transient Food-Borne Bacteria: New Insights Using Nano-SIMS and Synchrotron UV Fluorescence Imaging,* [***FRONTIERS IN MICROBIOLOGY***](https://www.researchgate.net/journal/1664-302X_Frontiers_in_Microbiology)***, 2018, DOI: 10.3389/fmicb.2018.00794***

**65.** Pajović, JD; Dojčilović, R; Božanić, DK; **Vodnik, VV**; Dimitrijević-Branković,S; Kaščakova, S; Refregiers, M; Markelić, M; Djoković, V *Deep UV fluorescence imaging study of Candida albicans cells treated with gold-riboflavin hydrocolloids,* **OPTICAL AND QUANTUM ELECTRONICS, 48:311 2016, DOI:10.1007/S11082-016-0578-Y**

1. *Pajovic, JD; Dojčijović, R;...Djoković*

*Enhanced resonance energy transfer in gold nanoparticles bifunctionalized by tryptophan and riboflavin and its application in fluorescence bioimaging****, COLLOIDS AND SURFACES B: BIOINTERFACES, 2023, DOI: 10.1016/j.colsurfb.2023.113340***

1. *Yang, M; Fu, X; Guo, Jing; Rao, W*

*Electronic structure and optical properties of Al0.25Ga0.75N with point defects and Mg-defect complexes*

***OPTICAL AND QUANTUM ELECTRONICS, 2018, DOI: 10.1007/s11082-018-1328-0***

1. *Gavrilović, TV; Jovanović, DJ; Dramićanin, MD*

*Synthesis of Multifunctional Inorganic Materials: From Micrometer to Nanometer Dimensions.*

***In book: Nanomaterials for Green Energy, 55-81 2018,*** [***https://doi.org/10.1016/B978-0-12-813731-4.00002-3***](https://doi.org/10.1016/B978-0-12-813731-4.00002-3)

**66.** Dojčilović, R; Pajović, JD; Božanić, DK; Bogdanović, U; **Vodnik, VV**; Dimitrijević-Branković,S; Miljković, MG; Kaščaková, S; Réfrégiers, M; Đoković, V

*Interaction of amino acid-functionalized silver nanoparticles and Candida albicans polymorphs: A deep‐UV fluorescence imaging study,* **COLLOIDS AND SURFACES B: BIOINTERFACES 155:341-348 2017**

1. *Fayyazbakhsh, A; Hajinajaf, N;…& Chang, YC*

*Eco-friendly additives for biodegradable polyesters: Recent progress in performance optimization and environmental impact reduction,* ***SUSTAINABLE MATERIALS AND TECHNOLOGIES, 2025, DOI: 10.1016/j.susmat.2025.e01395***

1. *Li, Z; Wang, Y:,,,&Tang, S*

*Effects of a Magnetic Field on the Nucleation and Growth of Silver Nanoparticles Prepared via Chemical Reduction*

***JOURNAL OF NANOTECHNOLOGY 2025, DOI: 10.1155/jnt/8982025***

1. *Qureshi, S; Stojanović, GM;…& Khan, MUA*

*Embroidered 3D capacitive sensor integrated with bandage for monitoring of volume and type of biofluids*

***SENSING AND BIO-SENSING RESEARCH, 2024, DOI: 10.1016/j.sbsr.2024.100634***

1. *Dung, TTN; Chi, NTY;…& Le, VP*

*Effective Foot‐and‐Mouth Disease Virus Control Using Silver Nanoparticles*

***CHEMISTRYSELECT, 2024, DOI: 10.1002/SLCT.202400143***

1. *Khan, RA; Anwar, S;…&Raffi, M*

*Antibacterial Efficacy of Tryptophan Coordinated Silver Nanoparticles Against E. coli: Spectroscopic and Microscopic Evaluation of Bacterial Cell Death,* ***JOURNAL OF FLUORESCENCE, 2024, DOI: 10.1007/s10895-024-03987-0***

1. *Pajovic, JD; Dojčijović, R;...Djoković*

*Enhanced resonance energy transfer in gold nanoparticles bifunctionalized by tryptophan and riboflavin and its application in fluorescence bioimaging,* ***COLLOIDS AND SURFACES B: BIOINTERFACES, 2023, DOI: 10.1016/j.colsurfb.2023.113340***

1. *Joshi, A; Borkotoky, S;…Farooq, A*

*Medical applications of functional antimicrobial nanoparticles,* ***In book: Antiviral and Antimicrobial Coatings Based on Functionalized Nanomaterials, 2023,*** ***DOI: 10.1016/B978-0-323-91783-4.00015-2***

1. *Radzikowska-Buchner, E; Flieger, W;…& Flieger, J*

*Antimicrobial and Apoptotic Efficacy of Plant-Mediated Silver Nanoparticles,* ***MOLECULES 28(14):5519 2023***

1. *Božanić, D. K., Dojčilović, R., Pajović, J. D., Tošić, D., Dudić, D., Réfrégiers, M., & Djoković, V*

*Fluorescence microscopy and photodielectric characterization studies of the composite films of polyvinyl alcohol and tryptophan functionalized silver nanoparticles.* ***COLLOIDS AND SURFACES A, 634: 128050 2022***

1. *Voicescu, M; Craciunescu, O…&Moldovan, L*

*Fluorescent Flavin/PVP-Coated Silver Nanoparticles: Design and Biological Performance*

***JOURNAL OF FLUORESCENCE, 2022, DOI: 10.1007/S10895-022-02909-2***

1. *Huang, LL; Wang, ZJ; Xie, HY*

*Photoluminescent inorganic nanoprobe‐based pathogen detection.*

***CHEMISTRY–AN ASIAN JOURNAL, 2022, https://doi.org/10.1002/asia.202200475***

1. *Darwish, R; Kawareek, MA;…&Alkilany, AM*

*Silver Nanoparticles, a Promising Treatment against Clinically Important Fluconazole‐Resistant Candida glabrata*

***LETTERS IN APPLIED MICROBIOLOGY, 2021, DOI: 10.1111/lam.13560***

1. *Mohammadi, G; Zangeneh, MM; Zangeneh, A; & Haghighi, ZMS*

*Chemical characterization and anti‐breast cancer effects of silver nanoparticles using Phoenix dactylifera seed ethanolic extract on 7, 12‐Dimethylbenz [a] anthracene‐induced mammary gland carcinogenesis in Sprague Dawley male rats,* ***APPLIED ORGANOMETALLIC CHEMISTRY, 34(1): e5136 2020***

1. *Gherasim, O; Grumezescu, AM*

*Silver Nanoparticles in Medicine.*

***IN HANDBOOK OF MATERIALS FOR NANOMEDICINE, JENNY STANFORD PUBLISHING,* *PP. 111-146, 2020***

1. *Batouti, GAE*

*Antibacterial Activity of Silver Nanoparticles.****INT. J. CURR. MICROBIOL. APP. SCI, 8(8): 1216-1223 2019***

1. *Haseena, S; Kumar, RM; Rajapandian, V; Subramanian, V*

*Interactions of thiol and alkoxy radical with coinage metal nanoclusters.*

***APPLIED SURFACE SCIENCE, 2019, https://doi.org/10.1016/j.apsusc.2019.04.151***

1. *Burduşel, AC; Gherasim,O; Grumezescu, AM; Mogoantă, L;Ficai, A;Andronescu,E*

*Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview*

***NANOMATERIALS, 8, 681, 25pp, 2018, doi:10.3390/nano8090681***

1. *Mathur, P; Jha, S; Ramteke, S; Jain, NK*

*Pharmaceutical aspects of silver nanoparticles*. ***ARTIFICIAL CELLS, NANOMEDICINE, AND BIOTECHNOLOGY, 1-12, 2018,*** [***https://doi.org/10.1080/21691401.2017.1414825***](https://doi.org/10.1080/21691401.2017.1414825)

**67.** Stamenović, U; Gavrilov, N; Pašti, IA; Otoničar, M; Ćirić-Marjanović, G; Škapin, SD; Mitrić, M; **Vodnik, V**

*One-pot synthesis of novel silver-polyaniline-polyvinylpyrrolidone electrocatalysts for efficient oxygen reduction reaction*, **ELECTROCHIMICA ACTA, 281: 549-561, 2018**

1. *Shahzad, A; Jiang, HJZinsou, FA*

*Unitized regenerative fuel cells: Fundamental challenges and advancements*

***RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, 215:115631 2025***

1. *Tavares F; Oliviera, L;…Camijo, FF*

*Synthesis of Polythiophene-Silver Nanocomposites in Ionic Liquid for Catalytic Applications*

***ACS APPLIED POLYMER MATERIALS, 2024, DOI: 10.1021/acsapm.3c02987***

1. *Feng, J; Lv, N;…& Zhang, H*

*Electromagnetic shielding Janus membrane for direct current‐type pressure and sliding sensing*

***JOURNAL OF APPLIED POLYMER SCIENCE, 2024,DOI: 10.1002/app.55312***

1. *Rajaram, R; Maruthapandian, V;…& Mutyala, S*

*Non-Noble Metal Catalysts in Oxygen Reduction Reaction.*

***In book: Nano-electrocatalyst for Oxygen Reduction Reaction (pp. 247-271). CRC Press, 2024***

1. *Milikić, J, Mišurović, J,…&Šljukić-Paunković. B*

*Polyaniline prepared by Fe3O4 catalysed eco-friendly synthesis as electrocatalyst for efficient water electrolysis: Original scientific paper,* ***JOURNAL OF ELECTROCHEMICAL SCIENCE AND ENGINEERING, 2024, DOI: 10.5599/jese.2438***

1. *Sun, M; Guo, W;…& Zhang, Q*

*Fast Tailoring of Gold Nanoflowers by An Interface-modified Reverse Microdroplet Strategy*

***COLLOIDS AND SURFACES A Physicochemical and Engineering Aspects, 2022, DOI: 10.1016/j.colsurfa.2022.128590***

1. *Zdolšek, N; Vujkovoć, M;…& Paunkovic, BS*

*Boosting electrocatalysis of oxygen reduction and evolution reactions with cost-effective cobalt and nitrogen-doped carbons prepared by simple carbonization of ionic liquids,*

***INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2022, DOI: 10.1016/j.ijhydene.2022.02.225***

1. *Al-Betar, ARF*

*Enhanced electrocatalytic water oxidation using cobalt-based polyaniline hybrid assembly.*

***SYNTHETIC METALS, 275, 116738 2021***

1. *Kang, TW; Taib, SHM;…& Shameli, K*

*Synthesis and Characterization of Sn/Ag Nanoparticle Composite as Electro-Catalyst for Fuel Cell.*

***JOURNAL OF RESEARCH IN NANOSCIENCE AND NANOTECHNOLOGY, 1(1): 12-21 2021***

1. *Milakin, KA; Moravkova, Z; …$Bober, P*

*One-step synthesis of polyaniline–silver cryogels*

***JOURNAL OF MATERIALS SCIENCE, 2020, DOI: 10.1007/s10853-020-04719-y***

1. *Wang, M; Yun, H; ... & Xu, Q*

*One-step electrochemical synthesis of poly (vinyl pyrrolidone) modified polyaniline coating on stainless steel for high corrosion protection performance. ,****PROGRESS IN ORGANIC COATINGS, 149, 105908, 2020***

1. *Lin, B; Lei, Z; Xu, F; Cheng, N; Mu, S*

*Poly(vinylpyrrolidone) tailored porous ceria as a carbon-free support for methanolelectrooxidation*,

***ELECTROCHIMICA ACTA, 2019,*** ***https://doi.org/10.1016/j.electacta.2018.09.006***

1. *Erikson,H; Sarapuu, A; Tammeveski, K*

*Oxygen Reduction Reaction on Silver Catalysts in Alkaline Media: a Minireview*

***CHEMELECTROCHEM, 6(1),:73-86 2019***

1. *Cai, S, Jin, J;....& Fan, H*

*Rapid precipitation-reduction synthesis of carbon-supported silver for efficient oxygen reduction reaction in alkaline solution,****JOURNAL OF SOLID STATE ELECTROCHEMISTRY, 2019, DOI: 10.1007/S10008-019-04331-4***

1. *Ma, Z; Xu, R; Wang, W; Yu, D*

*A wearable, anti-bacterial strain sensor prepared by silver plated cotton/spandex blended fabric for human motion monitoring.****COLLOIDS AND SURFACES A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 2019, https://doi.org/10.1016/j.colsurfa.2019.123918***

1. *Zdolšek, NN*

*Jonske tečnosti kao medijumi i prekusori za sintezu poroznih ugljeničnih materijala za primenu u gorivnim ćelijama i skladištenju energije* ***Doctoral dissertation, Univerzitet u Beogradu-Fakultet za fizičku hemiju, 2019,*** ***http://uvidok.rcub.bg.ac.rs/handle/123456789/3281***

**68.** Ralević, U.; Isić, G; Anićijević, DV; Laban, B; Bogdanović, U; Lazović, VM; Vodnik, V; Grujić, R

*Nanospectroscopy of thiacianine dye molecules adsorbed on silver nanoparticle clusters*

**APPLIED SURFACE SCIENCE*,* 434: 540-548 2018**

1. *Laban, BB; Ralević, U;...Vujačić, A*

*Spectral and cytotoxicity studies of hybrid silver nanoparticles in human lymphocytes*

***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, 2025, DOI: 10.1016/j.saa.2025.126360***

1. *Lebedev, V; Kondorskiy. A*

*Optics of plasmon-exciton nanostructures: theoretical models and physical phenomena in metal/J-aggregate systems*

***USPEKHI FIZICHESKIH NAUK, 2024, DOI: 10.3367/UFNR.2024.08.039742***

1. *Bavarsad, HA*

*Relationship between Tea Dyeing Color of Different Fabrics and Nano-Dye.*

***INTERNATIONAL JOURNAL OF ART INNOVATION AND DEVELOPMENT. 3(3): 62-74 2022***

1. *Heng, R; Hongshuang, L; Ying, Z; Haitao, L*

*Raman spectrum enhancement based on optical power trapping of gold nanocubes* ***ACTA OPTICS, 41(17): 1730003 2021***

1. *Li,Y; Yang, S; Lu, X; Duana, W; Moriga, T*

*Synthesis and evaluation of the SERS effect of Fe3O4–Ag Janus composite materials for separable, highly sensitive substrates.* ***RSC ADVANCES, 9: 2877–2884 2019***

1. *Kondorskiy, AD; Lebedev, VS*

*Spectral-band replication phenomenon in a single pair of hybrid metal-organic nanospheres and nanodisks caused by plexcitonic coupling,* ***OPTICS EXPRESS 27(8):11783 2019, DOI: 10.1364/OE.27.011783***

1. *Пикуз, СА; Шелковенко, ТА; Савватимский, АИ.; Онуфриев, СВ; ... & Родионов, А. А*

*Электрофизические и оптические процессы в плазменных и твердотельных средах и наноструктурах,*

***Mонография, Компания КноРус (Москва), ISBN: 978-5-4365-3174-8, 2019, 372***

1. *Kondorskiy, AD; Lebedev, VS*

*Effects of near-field electromagnetic coupling in dimers of nanoparticles with a silver core and a J-aggregate dye shell*

***QUANTUM ELECTRONICS, 48(11): 1035-1042 2018***

**69.** Bogdanović, U; Dimitrijević, S; Škapin, SD; Popović, M; Rakočević, Z;Leskovac, A; Petrović,S;Stoiljković, M, **Vodnik, V,** *Copper-polyaniline nanocomposite: Role of physicochemical properties on the antimicrobial activity and genotoxicity evaluation,* ***MATERIALS SCIENCE AND ENGINEERING C: MATERIALS FOR BIOLOGICAL APPLICATIONS,* 93: 49-60 2018**

1. *Lima, EMA; Ratkovski, GP;...& de Melo, CP*

*Spectroscopic, electrical, and cytocompatibility properties of luminescent (metal nanoparticle/polyaniline) composites*

***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, 2025, DOI: 10.1016/j.saa.2025.125910***

1. *Kaushal, A; Verma, A;...&Yadev, BC*

*An alternative methodology for the detection of benzene ring containing hazardous compounds by zeta potential and absorbance analysis,* ***INORGANIC CHEMISTRY COMMUNICATIONS, 2024, DOI: 10.1016/j.inoche.2024.113744***

1. *Haris, SA; Adhami, S;...& Yujsel, R*

*Mitigating Zinc Dendrite Formation and Parasitic Side Reactions in Aqueous Zn‐Ion Batteries Via Laser‐Assisted Carbonization of Cu‐PANI Films on Zn Anodes,* ***SMALL, 2024.DOI: 10.1002/smll.202410051***

1. *Yadev, A; Kumar, H;...&Hamed, OA*

*Metal oxide decorated polyaniline based multifunctional nanocomposites: An experimental and theoretical approach*

***RESULTS IN ENGINEERING, 2023,*** ***DOI: 10.1016/j.rineng.2023.101161***

1. *Tran, LT; Tran, HV;... & Sai, CD*

*Copper decorated polyaniline nanowires: A tow-step electrochemical synthesis and a development of a non-enzymatic electrochemical glucose sensor.* ***SYNTHETIC METALS, 297: 117388 2023***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive green metal‐polyaniline nanocomposites: synthesis and application in sensors*

***ELECTROANALYSIS, 35(2): e202100636 2023***

1. *Medjili, C; Lakhdari, N;...& Berkani, M*

*Synthesis of novel PANI/PVA-NiCu composite material for efficient removal of organic dyes*

[***CHEMOSPHERE***](https://www.researchgate.net/journal/Chemosphere-0045-6535)***, 313, 137427 2023***

1. *Latypova, LR; Usmanova, GS;...&Mustafin, AG*

*Synthesis and characterization of N-substituted polyanilines and polyindoles and their antibacterial activity*

***CHEMICAL PAPERS- SLOVAK ACADEMY OF SCIENCES, 77(1): 473-483 2023***

1. *Sharma KP; Shin, M;...& Yu, C*

*Copper nanoparticles/polyaniline/molybdenum disulfide composite as a nonenzymatic electrochemical glucose sensor*

***HELIYON, 2023, DOI: 10.1016/j.heliyon.2023.e21272***

1. *Niyonshuti, I; Rogers, A;...&Chen, J*

*Engineering silver nanoparticle surfaces for antimicrobial applications,* ***In book: Reference Module in Materials Science and Materials Engineering, 2022, DOI: 10.1016/B978-0-12-822425-0.00099-3***

1. *Saleh, MR; El-Bery, HM*

*Unraveling novel Cu/CuxP@N-doped C composite as effective cocatalyst for photocatalytic hydrogen production under UV and Visible Irradiation,* ***APPLIED SURFACE SCIENCE, 580: 152280 2022***

1. *Kuberan, R; Rajiv, P; Abd-Elsalam, KA*

*Multifunctional copper-based nanocomposites in agroecosystem applications,****In book: Copper Nanostructures: Next-Generation of Agrochemicals for Sustainable Agroecosystems, 2022, DOI: 10.1016/B978-0-12-823833-2.00017-9***

1. *Kenawy, ER; Azaam, MM; & Hasnain, MS*

*Antimicrobial Nanocomposites.* ***In Biomedical Composites: Perspectives and Applications, Springer Nature, 19: 71 2021, https://doi.org/10.1007/978-981-33-4753-3-4***

1. *Al-Obaidi, NS; Al-Garawi, ZS; Al-Mahdawi, AS*

*Polyaniline doping with nanoparticles: A review on the potential of electrical properties.*

***JOURNAL OF PHYSICS, 1853(1): 012055 2021***

1. *Máková, V*

*Hybrid organosilane materials and its application in material engineering.*

***Doctoral thesis,* *Technicka univerzita v Liberci,* *2021,* *https://dspace.tul.cz/handle/15240/164997***

1. *Swar, S; Máková, V; Horáková, J; Kejzlar, P; Parma, P; Stibor, I*

*A comparative study between chemically modified and copper nanoparticle immobilized Nylon 6 films to explore their efficiency in fighting against two types of pathogenic bacteria.* ***EUROPEAN POLYMER JOURNAL, 122: 109392 2020***

1. *Akturk, A; Güler, FK;… & Küçükbayrak, S*

*Synthesis and antifungal activity of soluble starch and sodium alginate capped copper nanoparticles.*

***MATERIALS RESEARCH EXPRESS, 2020,*** ***https://doi.org/10.1088/2053-1591/ab677e***

1. *Máková, V; Holubová, B; Tetour, D;…. & Hodačová, J*

*(1S, 2S)-Cyclohexane-1, 2-diamine-based Organosilane Fibres as a Powerful Tool Against Pathogenic Bacteria.*

***POLYMERS, 12(1): 206 2020,  https://doi.org/10.3390/polym12010206***

1. *Montanheiro, TLDA; Ribas, RG;... & Thim, G. P*

*A Brief Review Concerning the Latest Advances in the Influence of Nanoparticle Reinforcement into Polymeric-Matrix Biomaterials.* ***JOURNAL OF BIOMATERIALS SCIENCE, 2020, https://doi.org/10.1080/09205063.2020.1781527***

1. *Almaguer-Flores, A; Silva-Bermúdez, P; Rodil, SE*

*Nanostructured biomaterials with antimicrobial activity for tissue engineering.* ***In Nanostructured biomaterials for regenerative medicine,******Woodhead Publishing, pp. 81-137, 2020, https://doi.org/10.1016/B978-0-08-102594-9.00004-8***

1. *Jin, P; Li, N*

*Adsorption of Cu(II) from aqueous solutions by polyamidoamine-β-cyclodextrin copolymer*

***FRESENIUS ENVIRONMENTAL BULLETIN, 29(12): 11180-11189 2020***

1. *Aktürk, A*

*Nanocomposite scaffolds containing metal nanoparticles* ***Doctoral dissertation, 2020, http://hdl.handle.net/11527/19662***

1. *Abu-Thabit, NY*

*Electrically conducting polyaniline smart coatings and thin films for industrial applications*

***In:* *Advances in Smart Coatings and Thin Films for Future Industrial and Biomedical Engineering Applications***

***pp. 585-617 2020, DOI:10.1016/C2016-0-02150-2***

1. *Benetti, G; Cavaliere, E; Brescia, R; ... & Van Bael, M*

*Tailored Ag-Cu-Mg multi-element nanoparticles for wide-spectrum antibacterial coating.****NANOSCALE, 11: 1626-1635 2019***

1. *Jayaramudu, T;Varaprasad, K; Pyarasani, RD;... & Amalraj, J*

*Chitosan capped copper oxide/copper nanoparticles encapsulated microbial resistant nanocomposite films.*

***INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 128:499-508 2019***

1. *Yelilarasi, A; Anbarasan, R; Manikandan, KM*

*Electrical conductivity studies on the nanocomposites of Poly (aniline) with various initiator and oxide nanoparticles.*

***VACUUM, 163: 172-175 2019***

1. *Yin, M; Huang, D; Zhang, X; Peng, Y; Du, J; Wei, Y; ... & Zhang, YS*

*Preparation of Ag@ CNT Nanohybrids and Investigations on Their Antibacterial and Cytotoxicological Effects****.***

***NANOSCIENCE AND NANOTECHNOLOGY LETTERS, 10(12): 1671-1676 2018***

**70.** Bondžić, AM.; Vujačić Nikezić, AV; Klekotka, U; Marković, MM; **Vodnik, VV**; Kalska, B; Vasić, VM

*Insight into the Interaction between Selected Antitumor Gold(III) Complexes and Citrate Stabilized Gold Nanoparticles*, ***RUSS. J. PHYS. CHEM. A, 93, 189–194 2019***

1. *Laban, BB; Novaković, M...& Vujačić, A*

*A combined experimental and DFT study of metal core/indocyanine green shell hybrid nanoparticles*

***SPECTROCHIMICA ACTA PART A MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 309:123828 2023***

1. *Vujačić, A; Grbovic Novakovic, J*

*Nano/Microcarriers in Drug Delivery: Moving the Timeline to Contemporary*

***CURRENT MEDICINAL CHEMISTRY, 2022, DOI: 10.2174/0929867329666220821193938***

1. *Bondžić, AM; Anićijević, DDV;...& Vasić, VM*

*Na, K-ATPase as a Biological Target for Gold (III) Complexes: A Theoretical and Experimental Approach.*

***CURRENT MEDICINAL CHEMISTRY, 2021,******DOI: https://doi.org/10.2174/0929867328999210101233801***

1. *Bondžić, AM; Leskovac, AR; Petrović, SŽ;... & Vasić, VM*

*Conjugates of Gold Nanoparticles and Antitumor Gold (III) Complexes as a Tool for Their AFM and SERS Detection in Biological Tissue,****INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 20(24): 6306 2019***

**71.** Stamenović, U; **Vodnik, V**; Gavrilov, N; Pašti, IA; Otončar, M; Mitrić,M; Škapin, SD *Developing an advanced electrocatalyst derived from triangular silver nanoplates@polyvinylpyrrolidone-polyaniline nanocomposites*, ***SYNTHETIC METALS, 257: 116173 2019***

1. *Kyomuhimbo, HD; Feleni, U*

*Catalytic and Energy Storage Applications of Metal/Polyaniline Nanocomposites: A Critical Review*

***JOURNAL OF ELECTRONIC MATERIALS, 2022, DOI: 10.1007/s11664-022-09848-5***

1. *Vasileva, A; Pankin, D;...&Manshina, AA*

*In-situ microsynthesis of polyaniline: synthesis – structure – conductivity correlation*

***NEW JOURNAL OF CHEMISTRY, 2021, DOI: 10.1039/D1NJ03198H***

1. *Zhang, L; Liu, T;....& Suo, H*

*In situ synthesis of hierarchical platinum nanosheets-polyaniline array on carbon cloth for electrochemical detection of ammonia,* ***JOURNAL OF HAZARDOUS MATERIALS, 2020, DOI: 10.1016/j.jhazmat.2020.122342***

**72.** J. Milikić, U. Stamenović, **V. Vodnik,** S.P Ahrenkiel, B. Šljukić,

*Gold nanorod-polyaniline composites: Synthesis and evaluation as anode electrocatalysts for direct borohydride fuel cells****, ELECTROCHIMICA ACTA, 328:135115 2019***

1. *Barua, S, Balčiunaite, A;...& Norkus, E*

*High-Efficiency Borohydride Oxidation and Oxygen Reduction on Titanium-Supported Au(NiMo) Catalysts for Alkaline Fuel Cells****, CHEMICAL PHYSICS IMPACT, 2025, DOI: 10.1016/j.chphi.2025.100827***

1. *Jana, NR*

*Colloidal Gold Nanorods: Science and Technology,*

***Chapter in Colloidal Gold Nanorods, CRC Press, ISBN: 9781003245339, 2023, DOI: 10.1201/9781003245339***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive Green Metal‐polyaniline Nanocomposites: Synthesis and Application in Sensors.*

***ELECTROANALYSIS, 35(2), e202100636 2023***

1. *Ma, Y; Wu, Z;Steinmetz*

*In Vitro and Ex Planta Gold-Bonded and Gold-Mineralized Tobacco Mosaic Virus*

***LANGMUIR, 2023, DOI: 10.1021/acs.langmuir.3c00688***

1. *Milikić, J; Radinović, K; Šljukić, BP*

*AuAg/rGO electrodes for borohydride oxidation,* ***TEHNIKA 79(5):515-519 2023***

1. *Radinović, K*

*Elektrohemijska detekcija i određivanje jona As3+ u uzorcima vode pomoću elektroda na bazi legura i nanokompozita zlata.****Doctoral thesis,******Универзитет у Београду, 2023, https://nardus.mpn.gov.rs/handle/123456789/22025***

1. *Halim, EMH; Chemchoub, S;...&Thazi, M*

*Recent advances in anode metallic catalysts supported on conducting polymer-based materials for direct alcohol fuel cells*

***FRONTIERS IN ENERGY RESEARCH, 2022,DOI: 10.3389/fenrg.2022.843736***

1. *Radinović, K; Mladenović, D;..& Paunković, BS*

*Tuning Electrocatalytic Activity of Gold Silver Nanoparticles on Reduced Graphene Oxide for Oxygen Reduction Reaction*

***JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 2022, DOI: 10.1149/1945-7111/ac67b7***

1. *Kyomuhimbo, HD; Feleni, U*

*Catalytic and Energy Storage Applications of Metal/Polyaniline Nanocomposites: A Critical Review*

***JOURNAL OF ELECTRONIC MATERIALS, 2022, DOI: 10.1007/s11664-022-09848-5***

1. *Kyomuhimbo, HD; Feleni, U*

*Electroconductive green metal‐polyaniline nanocomposites: synthesis and application in sensors*

***ELECTROANALYSIS, 2022,DOI: 10.1002/elan.202100636***

1. *K. Radinović, J. Milikić;...&* *B. Šljukić*

*Low Au-content CoAu electrodes for environmental applications,* ***RSC ADVANCES 12(40):26134-26146 2022***

1. *Zhang, H; Ziqiang, W;...&Wang, L*

*Ni-doped hyperbranched PdCu nanocrystals for efficient electrocatalytic borohydride oxidation*

***JOURNAL OF MATERIALS CHEMISTRY A, 2022, DOI: 10.1039/D2TA07066A***

1. *Ghosh, S*

*Conjugated Polymer Nanostructures for Photocatalysis.*

***In Conjugated polymer nanostructures for energy conversion and storage applications, Wiley, ISBN: 978-3-527-82010-8, 2021***

1. *Ghosh, S;. Basu, RN*

*Conjugated Polymer Nanostructures for Catalysts Support in Fuel Cells Application,* ***In book: Conjugated Polymer Nanostructures for Energy Conversion and Storage Applications, 2021, DOI: 10.1002/9783527820115.ch6***

1. *Milikic, J; Oliviera, RCP;...&Šljukić Paqunković, B*

*Ionic Liquid-Derived Carbon-Supported Metal Electrocatalysts as Anodes in Direct Borohydride-Peroxide Fuel Cells*

***CATALYSTS, 11(5):632 2021, DOI: 10.3390/catal11050632***

1. *Duan, D; Feng, J;...&Liu, S*

*Evaluation of Co–Au bimetallic nanoparticles as anode electrocatalyst for direct borohydride-hydrogen peroxide fuel cell,* ***IONICS, 2021, DOI: 10.1007/s11581-021-04115-9***

1. *Yu, J; Hu, B; ... & Chen, C*

*Ni-P Amorphous Alloy Efficient Electrocatalyst with Hierarchical Structure toward Borohydride Oxidation.*

***DALTON TRANSACTIONS, 2021, DOI: 10.1039/D1DT01031J***

1. *da Silva, AB; Rufato, KB; ... & Martins, AF*

*Composite materials based on chitosan/gold nanoparticles: From synthesis to biomedical applications****. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 161: 977-998 2020***

1. *Milikić, J; Martins, M;....&Santos, DM*

*A Pt/MnV2O6 nanocomposite for the borohydride oxidation reaction,****JOURNAL OF ENERGY CHEMISTRY, 2021, DOI: 10.1016/j.jechem.2020.07.029***

1. *Backović, G., Šljukić, B;... & Santos, DM*

*Ruthenium (0) nanoparticles stabilized by metal-organic framework as an efficient electrocatalyst for borohydride oxidation reaction.,****INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2020, https://doi.org/10.1016/j.ijhydene.2020.07.034***

1. *Backović, G., Milikić, J., De Negri, S., Saccone, A., Šljukić, B., & Santos, D. M*

*Enhanced borohydride oxidation kinetics at gold-rare earth alloys,* ***JOURNAL OF ALLOYS AND COMPOUNDS, 2020, https://doi.org/10.1016/j.jallcom.2020.158273***

1. *Braesch, G;*

*Electrocatalysts for the Borohydride Oxidation Reaction : From model surfaces to non-noble fuel cell electrodes.* ***Doctoral thesis, Université Grenoble Alpes, 2020. https://tel.archives-ouvertes.fr/tel-03207612/document***

1. *Mahmoodi, R, Chalani, M;...& Darbandi, M*

*Novel electrocatalysts for borohydride fuel cells: enhanced power generation by optimizing anodic core–shell nanoparticles on reduced graphene oxide,* ***NEW JOURNAL OF CHEMISTRY, 2020, DOI: 10.1039/D0NJ01561J***

**73**. **VV Vodnik**, U Bogdanović,

*Metal nanoparticles and their composites: a promising multifunctional nanomaterial for biomedical and related applications*. ***In book: Materials for Biomedical Engineering: Inorganic Micro-and Nanostructures, 397-427, 2019.***

1. *Almehdi, AM; Aboubaker, DH;…& Keblawy. AE*

*Nanotherapeutic smart approaches for combating Alzheimer’s disease and overcoming existing obstacles: A novel eco-friendly green approach,* ***TOXICOLOGY REPORTS, 2024, DOI: 10.1016/j.toxrep.2025.101906***

1. *Mehata, AK; Dehari, D;…& Muthu, MS*

*Drug-releasing textile materials: current developments and future perspectives*

***In book: Fiber and Textile Engineering in Drug Delivery Systems, Elsevier, 2023, DOI: 10.1016/B978-0-323-96117-2.00001-7***

1. *Gupta, I; Gandhi, S; Sapra, S*

*Metal/metal oxide nanoparticles reinforced biocomposites for drug delivery*

***In book: Fiber and Textile Engineering in Drug Delivery Systems, Elsevier, 2023. DOI: 10.1016/B978-0-323-96117-2.00010-8***

1. *Dehari, D; Chaudhuri, A, …&Agrawal. AK*

*Fiber and textile in drug delivery to combat multidrug resistance microbial infection*

***In book: Fiber and Textile Engineering in Drug Delivery Systems, Elsevier, 2023.*** ***DOI: 10.1016/B978-0-323-96117-2.00006-6***

1. *Ribeiro, TC; Sabio, RM;…& Chorili, M*

*Exploiting Mesoporous Silica, Silver And Gold Nanoparticles For Neurodegenerative Diseases Treatment*

***INTERNATIONAL JOURNAL OF PHARMACEUTICS, 2022, DOI: 10.1016/j.ijpharm.2022.121978***

1. *Datta, D; Das, KP; …& Das, B*

*Candidates of functionalized nanomaterial-based membranes*

***In book: Membranes with Functionalized Nanomaterials, 2022,* *DOI: 10.1016/B978-0-323-85946-2.00004-7***

1. *Elarabi, NI;..Abdel-Rahman, AA;…& Hakeem, MA*

*Silver and zinc oxide nanoparticles disrupt essential parasitism, neuropeptidergic, and expansion-like proteins genes in Meloidogyne incognita,* ***EXPERIMENTAL PARASITOLOGY, 2022, DOI: 10.1016/j.exppara.2022.108402***

1. *Rudi, L; Cepoi, L;… & Cepoi, A*

*Unele particularități ale procesului de biofuncționalizare spontană a nanoparticulelor de Ag (PEG) de către celulele vii ale cianobacteriei Spirulina platensis.* ***In Integrare prin cercetare și inovare, pp. 134-137 2020***

1. *Rudi, L; Cepoi, L; ... & Rudic, V*

*Unele aspecte ale procesului de biofuncționalizare spontană a nanoparticulelor de argint de către cianobacteria Arthrospira platensis.****BULETINUL ACADEMIEI DE ŞTIINŢE A MOLDOVEI. ŞTIINŢELE VIEŢII, 341(2), 137-145 2020***

**74.** **VV Vodnik**; M.Mojić; U. Stamenović; M. Otoničar; V.Ajdžanović; D. Maksimović-Ivanić; S. Mijatović,;M. M.Marković; T. Barudžija; B.Filipović; V. Milošević; B. Šošić-Jurjević, *Development of Genistein-loaded gold nanoparticles and their antitumor potential against prostate Cancer cell lines*,

**MATERIALS SCIENCE AND ENGINEERING: C, 124:112078 2021**

1. *Silva-Pinto, PA; Costa de Pontes, JT;...& Roque-Borda, CA*

*Phytochemical Insights into Flavonoids in Cancer: Mechanisms, Therapeutic Potential, and the Case of Quercetin*

***HELIYON, 2025, DOI: 10.1016/j.heliyon.2025.e42682***

1. *Роопасхрее, Р; Гупта, А;...& Суриѕапракасх, Ј*

*Fabrication of Kaempferol Loaded Zein Nanoparticles: Investigation of in Vitro Cytotoxicity and Apoptosis Induction in Oral Cancer Cells,* ***JOURNAL OF POLYMERS AND THE ENVIRONMENT, 2025, DOI: 10.1007/s10924-025-03532-5***

1. *Arora, D; Bhati, H;...Bansal, K*

*Recent advancements in genistein nanocarrier systems for effective cancer management*

***MEDICAL ONCOLOGY, 2025,DOI: 10.1007/s12032-025-02649-w***

1. *Fugueira, M, Carvalho, T;...& Socorro, S*

*The Pros and Cons of Estrogens in Prostate Cancer: An Update with a Focus on Phytoestrogens*

***BIOMEDICINES 12(8):1636 2024***

1. *Fattahi, MR; Dehghani, M,...& Arefnezhad, R*

*Clinical insights into nanomedicine and biosafety: advanced therapeutic approaches for common urological cancers*

***FRONTIERS IN ONCOLOGY 14:1438297 2024***

1. *Jakhmola, A; Hornsby, TK;...& Tavakkoli, JJ*

*Green synthesis of anti-cancer drug-loaded gold nanoparticles for low-intensity pulsed ultrasound targeted drug release*

***DRUG DELIVERY AND TRANSLATIONAL RESEARCH, 2024, DOI: 10.1007/s13346-024-01516-x***

1. *Agata, K, Elzbieta, A; Grobelna, B*

*Medical Applications of Silver and Gold Nanoparticles and Core‐Shell Nanostructures Based on Silver or Gold Core: Recent Progress and Innovations****, CHEMMEDCHEM, 2024, DOI: 10.1002/cmdc.202300672***

1. *Shakila, B; Periasamy, T;...& Thangavelu, I*

*Pemetrexed loaded gold nanoparticles as cytotoxic and apoptosis inducers in lung cancer cells through ROS generation and mitochondrial dysfunction pathway,* ***BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, 2024, DOI: 10.1002/bab.2576***

1. *Shete, V; Mahajan, NM;...& Gurav, SS*

*Genistein: A promising phytoconstituent with reference to its bioactivities*

***PHYTOTHERAPY RESEARCH, 2024, DOI: 10.1002/ptr.8256***

1. *Patel, N; Patel, P*

*QbD-driven Formulation Development and Evaluation of Genistein Nanoparticles for Prostate Cancer*

***RECENT ADVANCES IN DRUG DELIVERY AND FORMULATION, 2024, DOI: 10.2174/0126673878321778241010121358***

1. *Habeeb, M, Deepthi, KL;...& Aher, KB*

*Innovations in Metal-Based Nanomedicines to Interfere with the Signaling Communications of Prostate Cancer*

***BIONANOSCIENCE, 2024, DOI: 10.1007/s12668-024-01723-3***

1. *Mal, S;Chakraborty, S;...& Roy, P*

*Tackling breast cancer with gold nanoparticles: twinning synthesis and particle engineering with efficacy*

***NANOSCALE ADVANCESF, 2024, DOI: 10.1039/D3NA00988B***

1. *Andreani, T; cheng, R;...Santos, HA*

*Natural compounds‑based nanomedicines for cancer treatment - Future directions and challenges*

***DRUG DELIVERY AND TRANSLATIONAL RESEARCH, 2024, DOI: 10.1007/s13346-024-01649-z***

1. *Motawea, A, Maria, SN;...& Moustafa, MMI*

*Genistein transfersome-embedded topical delivery system for skin melanoma treatment: in vitro and ex vivo evaluations*

***DRUG DELIVERY, 2024, DOI: 10.1080/10717544.2024.2372277***

1. *Kowalska, A; Adamska, E… & Grobelna, B*

*Medical Applications of Silver and Gold Nanoparticles and Core‐Shell Nanostructures Based on Silver or Gold Core: Recent Progress and Innovations****. CHEMMEDCHEM, 19(12): e202300672 2024***

1. *Khanam, A; Singh, G;…& Dhingra, AK*

*A Review on Novel Applications of Nanotechnology in the Management of Prostate Cancer.*

***CURRENT DRUG DELIVERY, 21(9): 1161-1179 2024***

1. *Trivedi, R; Upadhyay, TK*

*Quercetin loaded and alginate sealed β-Glucan particles based drug delivery system against Prostate Cancer.*

***AFRICAN JOURNAL OF BIOLOGICAL SCIENCES, 6(5): 10074-10092 2024***

1. *Morsy, HM; Zaky, MY;...& Khalifa, AYZ*

*Nanoparticle-based flavonoid therapeutics: Pioneering biomedical applications in antioxidants, cancer treatment, cardiovascular health, neuroprotection, and cosmeceuticals,*

***INTERNATIONAL JOURNAL OF PHARMACEUTICS, 2024, DOI:10.1016/j.ijpharm.2024.125135***

1. *Jia, W; Zhou, L;...&Shen, Z*

*Nano-Based Drug Delivery of Polyphenolic Compounds for Cancer Treatment: Progress, Opportunities, and Challenges*

***PHARMACEUTICALS 16(1):101 2023, DOI: 10.3390/PH16010101***

1. *Qian, Z; Zhang, Y;...& Chen, B*

*Current applications of nanomaterials in urinary system tumors*

***FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, 2023,*** ***DOI: 10.3389/fbioe.2023.1111977***

1. *Peng, S; Wang, Y; ...&Zhang, Z*

*Nanoparticles loaded with pharmacologically active plant-derived natural products: Biomedical applications and toxicity*

***COLLOIDS AND SURFACES B: BIOINTERFACES, 2023, DOI: 10.1016/j.colsurfb.2023.113214***

1. *Entezari, M; Abad, GGY;...& Ertas, YN*

*Gold nanostructure-mediated delivery of anti-cancer agents: Biomedical applications, reversing drug resistance, and stimuli-responsive nanocarriers,* ***ENVIRONMENTAL RESEARCH 225(13):115673 2023***

1. *Gupta, N; Gupta, S;...&Sharma, V*

*Therapeutic Potential of Genistein and its Derivatives as a Target for Anticancer Agents*

***CHEMISTRYSELECT, 8(21): e2022049242023***

1. *Khanam, A; Singh, G;...&Dhingra, Ak*

*A Review on Novel Applications of Nanotechnology in the Management of Prostate Cancer*

***CURRENT DRUG DELIVERY, 2023, DOI: 10.2174/0115672018180695230925113521***

1. *Sharma, N; Tiwary, N;…&Bungau, SG*

*Traversing the Vivid Pharmacological and Nanotechnological Facets of Genistein: Insights into the Past, Present and Future Trends,* ***BIONANOSCIENCE, 2023, DOI: 10.1007/s12668-023-01201-2***

1. *Zhang, G; Wei, Y;...&Lai, H*

*Magnetic Molecularly Imprinted Polymers for Selective Separation Genistein from the Extract of Flemingia philippinensis Merr. et Rolfe,* ***CHEMISTRYSELECT, 2023, DOI: 10.1002/slct.202301270***

1. *Yeligar, RR; Sarwa, KK;y...&Jangde, S*

*Nanotechnology-Based Delivery of Genistein to Overcome Physicochemical Hindrance and Enhance Therapeutic Response in Skin Cancer,* ***BIONANOSCIENCE, 2023, DOI: 10.1007/s12668-023-01118-w***

1. *Cosgrave, JM; Perry, AS*

*Therapeutic applications of the prostate cancer epigenome*

***In book: Epigenetic Cancer Therapy, 2023, DOI: 10.1016/B978-0-323-91367-6.00024-6***

1. *Useini, L; Mojić, M; ... & Hey-Hawkins, E*

*Carborane Analogues of Fenoprofen Exhibit Improved Antitumor Activity.*

***CHEMMEDCHEM, 2023, https://doi.org/10.1002/cmdc.202200583***

1. *Mitri, N; Rahme, K;...& Ghanem, E*

*Upgrading gold to green nanoparticles: applications in prostate cancer*

***ADVANCES IN NATURAL SCIENCES: NANOSCIENCE AND NANOTECHNOLOGY 14(2):023001 2023***

1. *Joshi, H; Gupta, DS;...&Tuli, HS*

*Genistein: a promising modulator of apoptosis and survival signaling in cancer*

***Naunyn-Schmiedeberg's Archives of Pharmacology, 2023,* *DOI: 10.1007/s00210-023-02550-1***

1. *Raj, SA; Srivastava, J;...&Bose, S*

*Gold nanoparticles as theranostics: An overview*

***AIP Conf. Proc. 2800(1): 020250 2023, https://doi.org/10.1063/5.0163044***

1. *Maurya, N; Saha, S; Ghosh, M*

*Recent advances in the designs and development of functionalized nanoparticles,* ***In book: Antiviral and Antimicrobial Coatings Based on Functionalized Nanomaterials, 2023, DOI: 10.1016/B978-0-323-91783-4.00010-3***

1. *Mirzaei, A; Mohammadi, MR*

*Therapeutic aspects of genistein based on recent advances and challenges*

***Micro Nano Bio Aspects, 2(2): 6-12 2023, https://www.mnba-journal.com/article\_175077***

1. *Yi Zoey*

*Inhibition of the Growth and Spread of Human Prostate Cancer*

***Doctoral thesis, Florida Atlantic University, 2023,* *https://www.proquest.com/openview/633bfed166e1f4c7f986233bd67f3383/***

1. *Troung, TH; Alcantara, K;...&Rojsitthisak, P*

*Chitosan-coated nanostructured lipid carriers for transdermal delivery of tetrahydrocurcumin for breast cancer therapy*

***CARBOHYDRATE POLYMERS, 2022, DOI: 10.1016/j.carbpol.2022.119401***

1. *Zeng, Y; Chen, H...&Yang, P*

*A feasible strategy of fabricating camptothecin (SN38)-loaded holmium ferrite nanocarrier delivery for glioma treatment*

***MATERIALS RESEARCH EXPRESS, 2022, DOI: 10.1088/2053-1591/ac9e8f***

1. *Dobrică, EC; Găman, MA;...& Cretoiu, SM*

*Currents Trends and Future Perspectives in Our Epigenetic Signatures: What a Diet Can Trigger.*

***Genomic and epigenomic biomarkers of toxicology and disease: clinical and therapeutic actions, 333-361 2022***

1. *Chopra, H; Bibi, S;...&Kim, B*

*Chemopreventive Potential of Dietary Nanonutraceuticals for Prostate Cancer: An Extensive Review*

***FRONTIERS IN ONCOLOGY, 2022, DOI: 10.3389/fonc.2022.925379***

1. *Hao, B; Wei, L...&Wang, J*

*Advanced nanomaterial for prostate cancer theranostics*

***FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, 2022, DOI: 10.3389/FBIOE.2022.1046234***

1. *Hussein, A; Attaai, AH; Zahran, AM*

*Genistein anticancer efficacy during induced oral squamous cell carcinoma: an experimental study*

***JOURNAL OF THE EGYPTIAN NATIONAL CANCER INSTITUTE 34(1):37, 2022, DOI: 10.1186/S43046-022-00140-5***

1. *Sohel. M; Sultana, T;...&Dash, R*

*Chemotherapeutic Activities of Dietary Phytoestrogens against Prostate Cancer: From Observational to Clinical Studies*

***CURRENT PHARMACEUTICAL DESIGN, 2022, DOI: 10.2174/1381612828666220601153426***

1. *Hao, Q; Wu, Y;...&Wang, P*

*Phytochemicals in Inhibition of Prostate Cancer: Evidence from Molecular Mechanisms Studies*

***BIOMOLECULES 12(9):1306 2022***

1. *Hou, S*

*Genistein: Therapeutic and Preventive Effects, Mechanisms, and Clinical Application in Digestive Tract Tumor*

***EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, 2022, DOI: 10.1155/2022/5957378***

1. *Ma, Z; Dong, Z*

*Dual Anticancer Drug-Loaded Self-Assembled Nanomaterials Delivery System for the Treatment of Prostate Cancer*

***JOURNAL OF BIOMATERIALS SCIENCE POLYMER EDITION, 2021, DOI: 10.1080/09205063.2021.1958449***

1. *Deldar, APM;, Asadi, S;... & Sethi, G*

*Targeting Cancer Stem Cells by Dietary Agents: An Important Therapeutic Strategy against Human Malignancies. International* ***JOURNAL OF MOLECULAR SCIENCES, 22(21), 11669 2021***

1. *Xie, Z; Luo, Y; ...&Zong, Y*

*Synthesis and characterization of genistein magnetic molecularly imprinted polymers and their application in soy sauce products*

***SCIENTIFIC REPORTS, 2021, DOI: 10.1038/s41598-021-02625-0***

1. *Stolarczyk, EU; Strzempek, W;...&* *Stolarczyk, K*

*Anti-Cancer and Electrochemical Properties of Thiogenistein—New Biologically Active Compound*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 22(16):8783, 2021, DOI: 10.3390/ijms22168783***

1. *Paskeh, MDA; Asadi, S...&Sethi, G*

*Targeting Cancer Stem Cells by Dietary Agents: An Important Therapeutic Strategy against Human Malignancies*

***INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 22(21):11669 2021***

1. *Ahmed, S; Baijal, G;...&Nayak, V*

*One Pot Synthesis of PEGylated Bimetallic Gold–Silver Nanoparticles for Imaging and Radiosensitization of Oral Cancers****, INTERNATIONAL JOURNAL OF NANOMEDICINE VOLUME 16:7103-7121 2021***

1. *Xie, Z; Luo, Y;... & Zong, Y*

*Synthesis and Characterization of Genistein Magnetic Molecularly*

***POLYMERS AND ITS APPLICATION IN SOY SAUCE PRODUCTS,2021, DOI:10.21203/rs.3.rs-774651/v1***

1. *Javed, Z; Khan, K...& Sharifi-Rad, J*

*Genistein as a regulator of signaling pathways and microRNAs in different types of cancers*

***CANCER CELL INTERNATIONAL, 2021, DOI: 10.1186/s12935-021-02091-8***

**75.** K. Radinović, J. Milikić, U. Stamenović, **V. Vodnik**, M. Otoničar, S. Škapin, B. Šljukić,

*Tailoring Gold-Conducting Polymer Nanocomposites for Sensors Applications: Proof of concept for As(III) Sensing in Aqueous Media*, **SYNTHETIC METALS, 278: 116834 2021**

1. *Radinović, K; Milikić, J;...&Šljukić, B*

*Analytical Performance and Stability Studies of CoAu/rGO-Based Electrochemical Sensor for Arsenic(III) Detection in Aqueous Solutions,* ***TALANTA. 2025, DOI: 10.1016/j.talanta.2025.128305***

1. *Khan, I; Alabbad, EA; Ali, N*

*Nanomaterials: fundamentals and applications*

***In book: Nanotechnology for Oil-Water Separation, 2024, DOI: 10.1016/B978-0-323-95517-1.00016-0***

1. *Kateb Dahmardeh, K; Khoobi, A; Gazori, MA*

*Porous Nanostructured Compounds in Voltammetric Measurement of Heart Drugs.*

***IRANIAN CHEMICAL ENGINEERING JOURNAL, 2024, DOI: 10.22034/ijche.2024.415745.1350***

1. *Yeyi, S; Zhuoming, C;…& Jing, L*

*Preparation and characterization of composite polyester fabric with silver and conductive copolymer.*

***JOURNAL OF DONGHUA UNIVERSITY, 50(1);30 2024, DOI:10.19886/j.cnki.dhdz.2022.0308***

1. *Kargar-Esfandabadi, M;Golshan, M;…& Salami-Kalajahi, M*

*On the Electrochemical Properties of Poly(Vinylidene Fluoride)/Polythiophene Blends Doped with Lithium‐Based Salt*

***MACROMOLECULAR MATERIALS AND ENGINEERING, 2024, DOI: 10.1002/mame.202400340***

1. *Pasqueira, C, Alvarenga DG;...& Hryniewicz, BM*

*Polymer nanocomposites based on gold nanoparticles: Synthesis, properties and applications*

***In book: Gold Nanoparticles, Nanomaterials and Nanocomposites, Elsevier 2024, DOI: 10.1016/B978-0-443-15897-1.00006-6***

1. *Heidari, G; Fallah, Z; Zare, EN*

*One-Dimensional Polymeric Nanocomposites for Heavy Metal Detection.*

***In book: One-Dimensional Polymeric Nanocomposites: Synthesis to Emerging Applications, CRC Press, p.337, 2023.***

1. *Karakuş, S; Özeroğlu, C;...& Albayrak, N*

*One-Dimensional Polymeric Nanocomposites-Based Microcontainers for Biomedical Applications*

***In book: One-Dimensional Polymeric Nanocomposites: Synthesis to Emerging Applications, CRC Press, p.417, 2023.***

1. *Kaur. M; Kaur, N; Singh, N*

*Polymer composites for ion selective sensors*

***In book: Polymeric Nanocomposite Materials for Sensor Applications, 2023, DOI: 10.1016/B978-0-323-98830-8.00007-2***

1. *Khan, E*

*Detecting inorganic arsenic below WHO threshold limit; A comparative study of various sensors,* ***INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY,******103(20), 8890-8913 2023***

1. *Kaura, M; Kaura, N; Singhb, N*

*Polymeric Nanocomposite Materials for Sensor Applications,*

***In book: Polymeric Nanocomposite Materials for Sensor Applications, Elsevier, ISBN: 978-0-323-97274-1, 215-242 2023****,*

1. *Radinović, K*

*Elektrohemijska detekcija i određivanje jona As3+ u uzorcima vode pomoću elektroda na bazi legura i nanokompozita zlata.****Doctoral thesis,******Универзитет у Београду, 2023, https://nardus.mpn.gov.rs/handle/123456789/22025***

1. *Yu, CH; Betrehem, UM:..&Bilal M*

*Design strategies, surface functionalization, and environmental remediation potentialities of polymer-functionalized nanocomposites,* ***CHEMOSPHERE, 2022, DOI: 10.1016/j.chemosphere.2022.135656***

1. *Crespo-Rosa, JR; Padilla, AS;...& Aguilera, LMC*

*Polyaniline Nanofibers-Embedded Gold Nanoparticles Obtained by Template-Free Procedure with Immobilization Prospects*

***SENSORS 21(24):8470 2021***

1. *K. Radinović, J. Milikić;...&* *B. Šljukić*

*Low Au-content CoAu electrodes for environmental applications,* ***RSC ADVANCES 12(40):26134-26146 2022***

1. *Воротынцев, МА*

*Синтез и свойства наноструктурированных композитов «палладий-полипиррол».****Doctoral dissertation, https://www.icp.ac.ru/media-store/EDUCATION/DIS-SOVET/Zatshita\_disser/Gorkov/Disser\_Gorkov.pdf***

1. *Ostovar, S; Maghsoudi, S; Mousavi, M*

*Development of a sensitive voltammetric sensor for diltiazem determination in biological samples using MWCNT/PPy-PBA modified glassy carbon electrode,* ***SYNTHETIC METALS 281:116928 2021***

**76**. U. Stamenović, S. Davidović, S. Petrović, A. Leskovac, M. Stoiljković, **V. Vodnik**,

*Antimicrobial and biological effects of polyaniline/polyvinylpyrrolidone nanocomposites loaded silver nanospheres/triangles*, **NEW JOURNAL OF CHEMISTRY,** **45(28): 12711-12720 2021**

1. *Gizdavic-Nikolaidis, MR; Pupe, JM;... & Swift, S*

*Eco-friendly enhanced microwave synthesis of polyaniline/chitosan-AgNP composites, their physical characterisation and antibacterial properties.* ***SYNTHETIC METALS, 293: 117273 2023***

1. *Bedre, MD; Malashetty, V;...& Deshpande, R*

*Preparation, Characterization and Thermal Studies of Polypyrrole - Gold Nanocomposites*

***CURRENT APPLIED POLYMER SCIENCE, 5(3): 212-220 2022***

1. *Meena, JR; Verma, DK;...&Verma, SK*

*Polyaniline/carboxymethyl guar gum nanocomposites: as biodegradable, conductive film*

***RASAYAN JOURNAL OF CHEMISTRY 15(2):2022, DOI: 10.31788/RJC.2022.1526820***

**77**. J. Milikić, A. Tapia, U. Stamenović, V. Vodnik, M. Otoničar, S. Škapin, D. M.F. Santos, B. Šljukić, *High-performance metal (Au,Cu)–polypyrrole nanocomposites for electrochemical borohydride oxidation in fuel cell applications*, **INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 47(87): 36990-37001 2022**

1. *Barua, S, Balčiunaite, A;...& Norkus, E*

*High-Efficiency Borohydride Oxidation and Oxygen Reduction on Titanium-Supported Au(NiMo) Catalysts for Alkaline Fuel Cells****, CHEMICAL PHYSICS IMPACT, 2025, DOI: 10.1016/j.chphi.2025.100827***

1. *Khaleque, MA; Aly, MAS; Khan, ZH*

*Chemical and electrochemical synthesis of doped conducting polymers and their application in supercapacitors: An overview*

***CHEMICAL ENGINEERING JOURNAL 503:160444 2025***

1. *Janmanee, R; Sriwichai, S*

*Development of an Electrochemical Biosensor Based on Polypyrrole-3-carboxylic Acid/Polypyrrole/Au Nanoparticle Composites for Detection of Dopamine,* ***POLYMERS 17(6):754 2025***

1. *Yang, XL; Su, JY;...& Li, WX*

*Application and development of LiBH4 hydrogen storage materials*

***JOURNAL OF ALLOYS AND COMPOUNDS, 2024, DOI10.1016/j.jallcom.2024.175174***

1. *Safir, NH; Razlan, ZM;...& Ramsamy, C*

*Investigation of Thermodynamic Properties and Stability of Metal Oxide (CuO and Al2O3)/Deionized Water Nanofluids for Enhanced Heat Transfer Applications*

***JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES 121(1):148-172 2024***

1. *Benhalima, T; Harrar, HF;...& Ayad, KA*

*α-Fe2O3 and polypyrrole impregnated alginate/gelatin nanocatalysts for the reduction of azo dyes and persistent organic pollutants****, International Journal of Biological Macromolecules, 2024, DOI: 10.1016/j.ijbiomac.2024.139300***

1. *Thakur, A, Anadebe, VC;Kumar, A*

*Water splitting application of nanofibers and their composites,* ***In book: Polymeric Nanofibers and their Composites Recent Advances and Applications, Elsevier,2024, DOI: 10.1016/B978-0-443-14128-7.00018-3***

1. *Milikić, J; Radinović, K; Šljukić, BP*

*AuAg/rGO electrodes for borohydride oxidation,* ***TEHNIKA 79(5):515-519 2023***

1. *Colorado, HA; Gutierrez-Velasquez, EI;...& Leite de Camargo, I*

*Exploring the advantages and applications of nanocomposites produced via vat photopolymerization in additive manufacturing: A review,* ***ADVANCED COMPOSITES AND HYBRID MATERIALS, 2023, DOI: 10.1007/s42114-023-00808-z***

1. *Yang, Y; Zhu, X;...&Zhou, X*

*An efficient NiFe binary alloy anode catalyst for direct borohydride fuel cells*

**CHEMICAL ENGINEERING JOURNAL, 472:145097 2023**

**78.** D. Danilović; D. Božanić; G.A. Garcia, L. Nahon, U. Stamenović, **V. Vodnik**, V. Djoković, *Velocity Map Imaging VUV Angle-Resolved Photoelectron Spectroscopy of Isolated Silver Sulfide Nanoparticles*, **OPTICAL AND QUANTUM ELECTRONICS, 54: 604 2022**

1. *Danilović, D;...& Đoković, V*

*High-speed NIR light-driven nanomotors prepared via hybridization of TiO 2 and Janus Ag-Ag 2 S nanoparticles*

***NANO RESEARCH, 2025, DOI: 10.26599/NR.2025.94907505***

1. *Danilović, D; Nahon, L;...&Božanić, DK*

*Velocity Map Imaging Photoelectron Spectroscopy of Silver Iodide Aerosol Particles,*

***CHEMPHYSCHEM, 2024, DOI: 10.1002/cphc.202400328***

**79.** D. Mašojević, U. Stamenović, M. Otoničar, S. Davidović, S. Škapin, T. Barudžija, **V. Vodnik**, *Evaluation of the antibacterial effectiveness of novel copper/polypyrrole nanocomposite*, **MATERIALS LETTERS, 338:134051 2023**

1. *Saparuddin, S; Tojang, D;...& Arham, Z*

*High Inhibition Activity of CQDs-Macaranga tanarius Organic Framework Nanomaterial-Based Antibacterials*

***INDIAN JOURNAL OF MICROBIOLOGY, 2024, DOI: 10.1007/s12088-024-01230-9***

1. *Luo, W; Qi, K;...& Guo, X*

*Silver nanoparticles composited co-dopped polypyrrole/zinc coating for enhancing anti-corrosion and antibacterial properties of ZK60 magnesium alloy in Hank's solution,* ***APPLIED SURFACE SCIENCE, 2024, DOI10.1016/j.apsusc.2024.160521***

1. *Stephen, A; Mohith, SR;*...&Ajrun, S

*Green Synthesis and Bioactivity of Copper Nanoparticles from Asparagus aethiopicus and Asparagus densiflorus*

***JOURNAL OF PURE AND APPLIED MICROBIOLOGY, 2023, DOI: 10.22207/JPAM.17.2.35***

**80.** Laban BB,D. Vasić-Anićijević, **Vodnik V,** *Application of nanospectroscopy methods to study cyanine dyes J-aggregation on the surface of noble metal nanoparticles*, **IN BOOK: OPTICAL NANOSPECTROSCOPY: APPLICATIONS**, Edited by: Alfred J. Meixner, Monika Fleischer, Dieter P. Kern, Evgeniya Sheremet and Norman McMillan, Berlin, Boston: De Gruyter, ISBN: 9783110442908, 2023, Volume 3, p. 367-400.

1. *Laban, BB; Ralević, U;...Vujačić, A*

*Spectral and cytotoxicity studies of hybrid silver nanoparticles in human lymphocytes*

***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy, 2025, DOI: 10.1016/j.saa.2025.126360***

**81.** **V. Vodnik**, U. Stamenović, I. Vukoje, *Nanocomposites of metal nanoparticles and polymer as platform of alternative approach in combating antimicrobial resistance*, Chapter in: Nanotechnology based Strategies for Combating Antimicrobial Resistance, Editor: Irshad A. Wani, Mohmmad Younus Wani, Akhilesh Rai, **SPRINGER NATURE***,* ISBN: 978-981-97-2022-4, 2024, Chapter 18, p.489-510.

1. *Tene, T; Bellucci, S;...&Caputi, LS*

*Synthesis of metal nanoparticles on graphene oxide and antibacterial properties*

***FRONTIERS IN CHEMISTRY, 2024, DOI: 10.3389/fchem.2024.1426179***

1. *Rahman, MM*

*Combating Antimicrobial Resistance With Nanotechnology Developing New Antimicrobial Agents And Coatings*

***NANOTECHNOLOGY PERCEPTIONS 20(5):734-761 2024***

**81.** J. Milikić, U. Stamenović, **V. Vodnik,** M. Otoničar, S. Škapin, B. Šljukić, *Combining silver, polyaniline and polyvinylpyrrolidone for efficient electrocatalysis of borohydride oxidation reaction*

**MOLECULAR CATALYSIS 547 (2023) 113310**

1. *Raksha, CH; Yoeesh, MP; Shetty, NS*

*Recent advances in the synthesis of polymer supported catalysts: a review*

***SN APPLIED SCIENCES, 2025, DOI: 10.1007/s42452-025-07106-x***

1. *Ramohlola, KE; Ndipingwi, MM;...& Iwuoha,EI*

*Electrochemical hydrogen evolution performance of molybdenum disulphide/HKUST-1 metal organic framework/polyaniline ternary nanocomposite in acidic medium,* ***Journal of Applied Electrochemistry, 2025, DOI: 10.1007/s10800-025-02282-5***

1. *Milikić, J; Radinović, K; Šljukić, BP*

*AuAg/rGO electrodes for borohydride oxidation,* ***TEHNIKA 79(5):515-519 2023***