

LIST OF PUBLICATIONS SUBMITTED FOR PARTICIPATION IN THE COMPETITION FOR PROFESSOR OF ASSOCIATE PROFESSOR DR. ILIANA A. IVANOVA**INDICATOR B. Habilitation work - monography**

Biological effects of nanomaterials, ISBN:978-954-9897-56-2, Amadeus Print, 2022; second edition - ISBN: 978-954-07-5796-4, University Publishing house, Sofia, Bulgaria 2023 y, pp. 206
<https://unipress.bg/biologichni-efekti-na-nanomateriali>

INDICATOR C Scientific publications in publications that are referenced and indexed in world-famous databases with scientific information (WEB OF SCIENCE and SCOPUS), outside of the habilitation thesis

1. Martinov, B., Pavlova E., Ivanova I. A., Yocheva L., Kostadinova A., Staneva A. D., Biological activity of Graphene Nanocomposites with Zink oxide, Cu, AND Ag Nanoparticles , Journal of Chemical Technology and Metallurgy 2023, 58(2):327-339, ISSN (print):1314-7471, ISSN (online):1314-7978, https://journal.uctm.edu/node/j2023-2/JCTM_2023_58_10_22-173_pp327-339.pdf <https://j.uctm.edu/index.php/JCTM/article/view/58> **SJR2022 0.25, IF2023 0,253 SCOPUS Q3 (2022) 15 points**
2. Vladkova T.G., Staneva A., Avramova I., Ivanova I.A., Gospodinova D., Fucoidan-Containing, Low-Adhesive Siloxane Coatings for Medical Applications: Inhibition of Bacterial Growth and Biofilm Development, Materials (Basel), 2023, 16, (3651) pages:1-13, ISSN 1996-1944 doi: <https://doi.org/10.3390/ma16103651>, <https://www.mdpi.com/1996-1944/16/10/3651>, **SCOPUS, SJR2022 (0.563), IF2022 (3.4), SCOPUS Quartile: Q2 (2022) 20 points**
3. Vladkova T.G., Martinov B.L., Staneva A.D., Ivanova I.A., Gospodinova D., Albu-Kaya M., Preparation and Antimicrobial Activity of Fucoidan Containing Collagen/(ZnTiO₃/SiO₂) Composites, Journal of Chemical Technology and Metallurgy, vol:58, issue:4, 2023, pages:654-663, ISSN (print):1314-7471, ISSN (online):1314-7978, https://journal.uctm.edu/node/j2023-4/JCTM_2023_58_3_22-171_pp654.pdf **SJR2022 (0,25), IF2023 (0,253), SCOPUS Quartile: Q3 (2022) 15 points**
4. Vladkova T.G., Monov D.M., Akuzov D.T., Ivanova I. A., Gospodinova D., Comparative Study of the Marinobacter hydrocarbonoclasticus Biofilm Formation on Antioxidants Containing Siloxane Composite Coatings, Materials (Basel), 15(13) 4530, 2022 (ISSN 1996-1944), doi: <https://pubmed.ncbi.nlm.nih.gov/35806655>, **SJR2022 (0,563); IF2022 (3,4) SCOPUS Quartile: Q2 (2022) 20 points**
5. Ivanova I., E. Pavlova, A. Kostadinova, R. Toshkovska, L. Yocheva, Kh El-Sayed, M. Hassan, H. El-Zorkany, H. Elshoky, Investigation of Biological and Prooxidant Activity of Zinc Oxide Nanoclusters and Nanoparticles, Acta Chimica Slovenica , vol:69, issue:3, 2022, pages:1-12, ISSN (print):13180207, ISSN (online):15803155, doi: <https://doi.org/10.17344/acsi.2021.7337>, <https://acsi-journal.eu/index.php/ACSi/article/view/7337/3532>, **Web of Science, IF2022(1,524), SJR2022 (0,291), SCOPUS Quartile: Q2 (2022), 20 points**
6. Pavlova E., Ivanova I.A., Staneva, A., Kostadinova, A, Kichukova DG., Yocheva L., Prooxidant, antioxidant and biological activity of nanocomposites of reduced graphene oxide, silver, copper and their combinations, Chemical Papers, Springer, issue:76, 2022, pages:6789-6800, ISSN 03666352,

13369075. doi: <https://doi.org/10.1007/s11696-022-02360-4>, Ref, **IF2022 (2,146)**, **Web of Science**, **SJR2022 (0,351)**. **Quartile: Q2 (2022), 20 points**
7. Gospodonova D., Vladkova T.G., Ivanova I.A. Fabrication and Characterization of Antimicrobial Magnetron Cosputtered TiO₂/Ag/Cu Composite Coatings. *Coatings* 2021, 11(4), 473; ISSN (online): 20796412, doi: www.mdpi.com/journal/coatings, <https://doi.org/10.3390/coatings11040473>, **IF2021 (4,158)**, **SJR2021 (0,482): Q2 (2021) 20 T.**
 8. Ivanova I., Stoyanova D., Nenova E., Staneva A., Kostadinova A. Antimicrobial and cytotoxic properties of metal and graphene nanomaterials (review)., *Journal of Chemical Technology and Metallurgy* , vol:55, issue:2, 2020, pages:239-250, ISSN (online):13147471, 13147978, https://journal.uctm.edu/node/j2020-2/1_19-150_p_239-250.pdf, **IF₂₀₂₀ (0,22)**, **SJR₂₀₂₀ (0,22)**; **SCOPUS Quartile: Q3 (2020), 15 points**
 9. Yankova R, Kostadinova A ., Toshkovska RD., Ivanova Iliana A. Characterisation and in vitro Cytotoxicity of silver(I) benzimidazole complex, *Oxidation Communications* , vol:43, issue: No 4, 2020, pages:647-660, ISSN 02094541, IF₂₀₁₉ (0,361), SJR₂₀₁₉ (0,224) <https://openurl.ebsco.com/EPDB%3Aagd%3A6%3A17246038/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Aagd%3A147990805&crl=c>, **Quartile: Q3 (2020), 15 points**
 10. Staneva, A., Albu-Kaya M., Martinov, B., Ivanova I., Vladkova T. Preparation and antimicrobial activity of collagen/(RGO/ZnO/TiO₂/SiO₂) composites, *Journal of Chemical Technology and Metallurgy*, vol:55, issue:5, 2020, pages:1078-1086, ISSN (online):13147471, 13147978, https://journal.uctm.edu/node/j2020-5/20_20-124_p1078-1086.pdf, **IF₂₀₂₀ (0,22)**, **SJR₂₀₂₀ (0,22)**, **SCOPUS Quartile: Q3 (2020), 15 points**
 11. Pavlova, E.L., Toshkovska, R.D., Doncheva, T.E., Ivanova, I. Prooxidant and antimicrobial effects of iron and titanium oxide nanoparticles and thalictarpine. *Archives of Microbiology*, vol: 202, 2020, pages:1873-1880, ISSN (online):03028933, 1432072X, <https://link.springer.com/article/10.1007/s00203-020-01902-2>, **IF₂₀₁₉ (1,882)**, **Q2 (2020), 20 T.**
 12. Kostadinova, A., Keranov, I., Vladkova, T., Ivanova, I., Yankova, R. Characterization and biological response of electrospun amphiphilic poly (Dimethylsiloxane-b-acrylic acid) fibrous scaffolds, *Oxidation Communications*, vol:43, issue:2, 2019, pages:234-247, ISSN (online):02094541, Ref, IR , SCOPUS, **IF₂₀₁₉ (0,361)**, **SJR₂₀₁₉ (0,224)** **SCOPUS Quartile: Q3 (2019) 15 points**
 13. Stoyanova D, Ivanova I, Angelov O, Vladkova T. Antibacterial Effect of Thin Films TiO₂:SiO₂:Ag Against E.Coli and P. Putida. *NANOCON 2017. Conference proceedings. 9th International conference on Nanomaterials- Research and Application*, 2018, 2017 October, pp. 443-448. **SCOPUS: (2018) SJR₂₀₁₇ (0,101) 10 points**
 14. Stoyanova D., Nesheva A., Veleva R., Borisova M., Angelov O., Ivanova I., Kostadinova A., Thin films of TiO₂: Cu:Ag cell cytotoxicity and antibacterial activity , *International Journal of Bioinformatics and Biological systems*, vol:1, issue:2, 2018, pp. 25-29, ISSN (print):02197200, 17576334, ISSN (online): 02197200, 17576334, doi: open access, Ref, **SJR₂₀₁₈ 0.149**, **IF 4.067**, <http://diaphanum.uni-sofia.bg/media/2018/03/19/IJBBS-02-101.pdf> **SCOPUS Quartile: Q3 (2018) 15 points**
 15. Iliana A. Ivanova, Dragomira S. Daskalova, Lilia P. Yordanova, Elitsa L. Pavlova Copper And Nano-Copper Applications In The Prevention Of Infections. *Processes*, 2024, **IF 3.352**; **SJR2022 0.529 Q2, 20 points**

Published book chapter or collective monograph

16. Ivanova I.A., Toshkovska R., Benkova D., Yordanova V., Nesheva A., Hazarosova R., Staneva G., Kostadinova A., (2023) Stress Response of Gram-Positive and Gram-negative Bacteria Induced by Metal and Non-Metal Nanoparticles. In Search of Smart Antimicrobial Agents, Recent Contributions to Bioinformatics and Biomedical Sciences and Engineering, Editors: S. Sotirov, T. Pencheva, J. Kacprzyk, K. Atanassov, E. Sotirova, S. Ribagin), https://link.springer.com/chapter/10.1007/978-3-031-31069-0_15 **SCOPUS Quartile: Q3 (2023)**
15 points

Total number of points 266**INDICATOR E 19. Published university textbook or textbook that is used in the school network**

Published university textbook "Ecotoxicology and nanotechnology" 2018 Univ. Publisher, 324 pp. ISBN 978-954-07-4402-5

40 points**Total impact factor of the articles IF=25.597****Total Journal Ranking SJR=4,425****H index 8 SCOPUS****Referred non-indexed articles outside SCOPUS/WEB OF SCIENCE since habilitation in 2014**

17. Iliana A Ivanova, Dragomira S Stoyanova, Anna Staneva, Madalina Alby-Kaya and Vladkova T G. Antibacterial Effect of Graphene-Collagen Nanocomposites on Salmonella species. J Biomed Res Environ Sci, Journal ISSN: 2766-2276 DOI: 10.37871 (CrossRef) IIF 4.07; ICV 2020: 53.77 <https://www.jelsciences.com/articles/jbres1533.pdf>
18. Vladkova T, Ivanova IA, Staneva AD, Albu MA, Ahmed S A Shalaby, Topouzova T, Kostadinova, AS. (2017) Preparation and Biological Activity of New Collagen Composites Part II: Collagen/Reduced Graphene Oxide Composites, Journal of Archives in Military Medicine, vol: 5, issue:(1), 2017, pages:13223-0, ISSN (print):2345-5071, ISSN (online):2345-5063, doi:10.5812/jamm.46406, Ref, (Index Copernicus; Open-J-Gate; Drji), International, PhD https://www.researchgate.net/publication/314264440_Preparation_and_Biological_Activity_of_New_Collagen_Composites_Part_II_CollagenReduced_Graphene_Oxide_Composites
19. Vladkova T, IvanovaIA, StanevaAD, Albu-Kaya M, Shalaby A, Moskova-Doumanova V, Kostadinova A. Preparation and Biological Activity of New Collagen Composites, Part III. Collagen/(Ag/RGO) and Collagen/(Ag/RGO/SiO₂) Composites. , Journal of Archives in Military Medicine, vol:5, issue:2, 2017, ISSN (print):2345-5071, ISSN (online): 2345-5063, Ref, International, PhD, <https://brieflands.com/articles/jamm-57454.html>
20. Stoyanova D.S., Ivanova I.A., Angelov O.I. and Vladkova T.G. (2017) Antibacterial activity of thin films TiO₂ doped with Ag and Cu on Gracilicutes and Firmicutes bacteria. BioDiscovery, 20 (2017), Article e21596 <https://biodiscovery.pensoft.net/article/21596/>

21. Stoyanova D.S., Ivanova I.A., Staneva A., Albu-Kaya M. and Vladkova TG. (2016) Antifungal potential of some collagen-based Nanocomposites Against *Candida lusitaniae*. SOJ | Nanoscience & Technology | Open Access <http://symbiosisonlinepublishing.com/nanoscience-technology/nanoscience-technology38.php> 6
22. Vladkova TG, Albu M, Shalaby A, A. Staneva, Y. Dimitriev, I. Ivanova, A. Kostadinova Preparation and antimicrobial activity of novel porous collagen/bioactive nanocomposite biomaterials. European Cells and Materials Vol. 30. Suppl. 2, 2015, page 77, ISSN 1473-2262 SJR 0.795 <http://www.ecmjournal.org>



01.02.2024
Sofia

Signature: / Assoc. Dr. I. Ivanova/