

## Списък с публикации на гл. ас. д-р Неда Анастасова

по показател „Г“

1. Meng, Q.; Wang, W.; Wang, H.; Tao, Y. ; Anastassova, N.; Sun, T.; Sun, Y.; Wang, L. Photothermal and enhanced chemodynamic reinforced anti-tumor therapy based on PDA@POM nanocomposites. *J Colloid Interface Sci.* 2025, 678(Pt C), 796. DOI: 10.1016/j.jcis.2024.09.160. (**Q1, IF:9.7**)
2. Georgieva, M.; Anastassova, N.; Stefanova, D.; Yancheva, D. Radical Scavenging Mechanisms of 1-Arylhydrazone Benzimidazole Hybrids with Neuroprotective Activity, *J. Phys. Chem. B*, 2023, 127(20), 4364. DOI: 10.1021/acs.jpcc.2c05784 (**Q1, IF:2.9**)
3. Anastassova, N.; Stoyanov, S. ; Mavrova, A. ; Yancheva, D. Spectroscopic and in silico study on the conversion of N,N'-disubstituted hydrazone derivatives of 5-nitrobenzimidazole-2-thione into anion and radical anion products: implications in hepatotoxicity, *Spectrochim Acta A* 2020, 234, 118279. DOI: 10.1016/j.saa.2020.118279 (**Q1, IF:4.098**)
4. Kolarević, B.; Ilić, B. ; Anastassova, N. ; Mavrova, A. ; Yancheva, D. ; Kocić, G. ; Šmelcerović. Benzimidazoles as novel deoxyribonuclease I inhibitors, *J Cell Biochem* 2018, 119(11), 8937, 2018. DOI: DOI: 10.1002/jcb.27147 (**Q1, IF:3.448**)
5. Anastassova, N.; Hristova-Avakumova, N. ; Rusev, R. ; Shivachev, B. ; Yancheva, D. Two 5-Methoxyindole Carboxylic Acid-Derived Hydrazones of Neuropharmacological Interest: Synthesis, Crystal Structure, and Chemiluminescent Study of Radical Scavenging Properties. *Crystals* 2024, 14, 396. DOI: 10.3390/cryst14050396 (**Q2, IF:2.4**)
6. Abarova, S.; Stoitchkova, K.; Tzonev, S.; Argirova, M.; Yancheva, D.; Anastassova, N.; Tenchov, B. Spectroscopic and Thermodynamic Characterization of the Interaction of a New Synthesized Antitumor Drug Candidate 2H4MBBH with Human Serum Albumin. *Pharmacia* 2024, 71, 1. DOI: 10.3897/pharmacia.71.e112385. (**Q2, IF:1.1**)
7. Hristova-Avakumova, N.; Valcheva, E. ; Anastassova, N. ; Nikolova-Mladenova, B. ; Hadjimitova, V. ; Angelova, S. ; Yancheva. In vitro and in silico studies of the radical scavenging activity of salicylaldehyde benzoylhydrazones, *J Mol Struct* 2021, 1245, 131021. DOI: 10.1016/j.molstruc.2021.131021 (**Q2, IF:3.841**)
8. Anastassova, N.; Yancheva, D. ; Hristova-Avakumova, N. ; Hadjimitova, V. ; Traykov, T. ; Aluani, D. ; Tzankova, V. ; Kondeva-Burdina, M. New benzimidazole-aldehyde hybrids as neuroprotectors with hypochlorite and super oxide radical scavenging activity, *Pharmacol Rep* 2020, 72, 846. DOI: 10.1007/s43440-020-00077-3 (**Q2, IF:0.343**)
9. Yancheva, D.; Tapanov, S. ; Anastassova, N. ; Velcheva, E. ; Stoyanov, S. ; Stamboliyska, B. Pigments and organic binders in the wall paintings of "St. Nikolay" Chapel in Rila Monastery, Bulgaria identified by the application of a spectral database", *Comptes rendus de l'Academie bulgare des Sciences* 2019, 72, 11. DOI:10.7546/CRABS.2019.11.03 (**Q2, IF:0.343**)

10. Anastassova, N.; Georgieva, I. ; Milanova, V. ; Tzoneva, R. ; Radev, K. ; Yancheva, D. ; Mavrova, A. Synthesis of new triazole and thiadiazole derivatives of the N,N'-disubstituted benzimidazole-2-thione and evaluation of their antitumor potential, J. Chem. Technol. Metall. 2022, 57, 4, 709. (Q3, IF:0.196)

12. Lazarević, J.; Zvezdanović, J. ; Anastassova, N. ; Yancheva, D. ; Šmelcerović, In vitro assessment of the lipid peroxidation of N,N'-disubstituted benzimidazole-2-thiones: hydrazides vs esters, Acta Fac. Med. 2022, 39(4): 443. DOI: DOI: 10.5937/afmnai39-36399 (Q4, IF:0.161)

12. Anastassova, N. O.; Yancheva, D. Y. ; Argirova, M. A. ; Hadjimitova, V. A. ; Hristova-Avakumova, N. G., In vitro assesment of the antioxidant activity of new benzimidazole-2-thione hydrazone derivatives and dft study of their mechanism of action, Bulg Chem Commun 2019, Special Issue A, 51, 186. (Q4, IF:0.148)