

9. Списък от публикациите, участващи в конкурса по категория Г (неповтарящи представените по други конкурси за заемане на академични длъжности и придобиване на научни степени)

(статииите са дадени по ред на тяхното излизане, а с допълнителен номер са отбелязани цитираните в хабилитационния труд)

1. D. Yancheva, **S. Stoyanov**, B. Stambolyiska, L. Daskalova, E. Cherneva, A. Smelcerovic, „Influence of the environment on the antioxidant action of two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones“, *Bulg. Chem. Commun.*, 46, Special Issue-A, 179, (2014). Q4
2. M. Miliovski, I. Svinyarov, E. Prokopova, D. Batovska, **S. Stoyanov**, M. Bogdanov, “Synthesis and antioxidant activity of polyhydroxylated trans-restricted 2 arylcinnamic asids”, *Molecules* 20(2), 1420 (2015). Q2
3. A. Popova, **S. Stoyanov**, D. Yancheva, “Generation and combined study on the chemical structure of nitrofurantoin radical anion.” *Macedonian pharmaceutical bulletin*, 62, 241, (2016).
4. [1Г] D. Yancheva, **S. Stoyanov**, E. Velcheva, B. Stamboliyska, A. Smelcerovic, DFT study on the radical scavenging capacity of apocynin with different free radicals, *Bulg. Chem. Commun.*, 49, Special Issue-B, 137, (2017). Q4
5. [3Г] E. Velcheva, B. Stamboliyska, **S. Stoyanov**, „Experimental and DFT studies on the IR spectra and structure of 4-acetamidobenzoic acid (acedoben), its oxyanion and dianion“, *Bulg. Chem. Commun.*, 49, Special Issue-D, 137, (2017). Q4
6. [5Г] D. Yancheva, **S. Stoyanov**, N. Anastassova, A. Mavrova, „IR study on the electrochemical generation of a nitro radical anion by a hepatotoxic N,N'-disubstituted benzimidazole-2-thione.“ *Vibr. Spectrosc.*, 92, 200 (2017). Q3
7. E. Velcheva. S. Tapanov, D. Yancheva, **S. Stoyanov**, B. Stamboliyska. “Multi-Analitical Study on the Mural Paintings from Kurilo Monastery “St. Ivan Rilski”, *Bulg. Chem. Commun.* 49, Special Issue-D, 295, (2017). Q4
8. D. Yancheva, S. Tapanov, E. Velcheva, B. Stamboliyska, Z. Glavcheva, **S. Stoyanov**, N. Haralampiev, D. Fischer, A. Lederer, “Characterization of Zahari Zograph’s nave wall paintings in the church “The nativity of the virgin” of Rila Monastery (Bulgaria) by vibrational spectroscopy and SEM–EDX analysis.” *STAR: Sci. Tech. Arch. Res.*, 3, 437 (2017). Q1
9. [4Г] N. Anastassova, A. Mavrova, D. Yancheva, M. Kondeva-Burdina, V. Tzankova, **S. Stoyanov**, B. Shivachev, R. Nikolova, „Hepatotoxicity and antioxidant activity of some new

- N,N'-disubstituted benzimidazole-2-thiones, radical scavenging mechanism and structure-activity relationship“, *Arab. J. Chem.*, 11,353, (2018). Q2
10. A. Georgiev, A. Kostadinov, D. Ivanov, D. Dimov, **S. Stoyanov**, L. Nedelchev, D. Nazarova, D. Yancheva, “Synthesis, spectroscopic and TD-DFT quantum mechanical study of azo-azomethine dyes. A laser induced trans-cis-trans photoisomerization cycle.” *Spectrochim. Acta A*, 192, 263 (2018). Q1
 11. **[2Г]** E. Velcheva, **S. Stoyanov**, B. Stamboliyska, “A theoretical investigation on the structure and vibrational spectra of phenindione carbanion,” *Compt. Rend. de L'Acad. Bulg. des Sci.*, 72(5), 610, (2019). Q2
 12. D. Yancheva, T. Tapanov, N. Anastasova, E. Velcheva, **S. Stoyanov**, B. Stamboliyska, “Pigments and organic binders in the wall paintings of chapel “St. Nikolay” in Rila Monastery Cathalicon”, *Compt. Rend. de l'Acad. Bulg. des Sci.*, 72, 11, (2019). Q2
 13. D. Yancheva, **S. Stoyanov**, K. Anichina, S. Nikolova, E. Velcheva, B. Stamboliyska, “Combined infrared spectroscopic and computational study on simpler capsaicin derivatives and their anion intermediates in the scavenging of free radicals.” *Chem. Phys.*, 535, (2020). Q2
 14. A. Mavrova, K. Anichina, O. Izevbekhai, D. Vutchev, G. Popova-Daskalova, D. Yancheva, , **S. Stoyanov**, “New 1,3-disubstituted benzimidazol-2-ones as a promising scaffold for the antitrihinellosis agents development.” *J. Chem. Techn. Met.*, 56, 3 (2021). Q3
 15. Б. Стамболийска, С. Тъпанов, Е. Велчева, Д. Панталеева, **С. Стоянов**, “СПЕКТРОСКОПСКИ АНАЛИЗ НА СТЕНОПИСИТЕ В ЦЪРКВАТА „УСПЕНИЕ НА СВ. ЙОАН РИЛСКИ“, РИЛСКИ МАНАСТИР”. *Списание на БАН, Издателство на БАН „Проф. Марин Дринов“*, 4, 29 , (2021).
 16. B. Stamboliyska, S. Tapanov, D. Kovacheva, S. Atanasova-Vladimirova, B. Rangelov, D. Yancheva, E. Velcheva, **S. Stoyanov**, M. Guncheva, D. Fischer, A. Lederer. “Characterization of art materials and degradation processes in the exterior wall paintings of the main church of Rila Monastery, Bulgaria.” *Vibrational Spectroscopy*, 128, 103580 (2023). Q1.
 17. B. Stamboliyska, S. Tapanov, E. Velcheva, S. Atanasova-Vladimirova, B. Rangelov, M. Guncheva, **S. Stoyanov**, D. Yancheva, “Materials and Techniques of the Mural Paintings in the Church-Ossuary of the Rila Monastery, Bulgaria.” *Minerals*, 14, 1115 (2024). Q2