

Списък на всички научни публикации - публикувани

- **Звено: (ИОХЦФ) Институт по органична химия с център по фитохимия**
 - **Тип на публикацията:**
 - Научна монография
 - Глава от научна монография
 - Студия в научно списание
 - Статия в научно списание
 - Статия в сборник на научен форум
 - Студия в тематичен сборник
 - Статия в тематичен сборник
 - Научно съобщение
 - **Година на публикуване:** 2017 ÷ 2017
 - **Тип записи:** Всички записи
1. **Aliosman, M., Eneva, I., Stoineva, I., Durmuş, M., Mantareva, V.** Aminophenoxy-substituted zinc(II) phthalocyanines as basic photosensitizers for conjugation with biologically active moieties via amide bond. *Bulgarian Chemical Communications, Special E, 2, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria*, 2017, ISSN:0324-1130, 79-85. ISI IF:0.238
 2. **Aliosman, M., Goksel, M., Mantareva, V., Stoineva, I., Durmuş, M.** Tyrosine conjugated zinc(II) phthalocyanine for photodynamic therapy: Synthesis and photophysical properties. *J. Photochem. Photobiol. A: Chem.*, 334, Elsevier, 2017, ISSN:1010-6030, DOI:<http://dx.doi.org/10.1016/j.jphotochem.2016.10.037>, 101-106. SJR:0.732, ISI IF:2.625
 3. **Alipieva, K., Simova, S., Zahmanov, G., Zhou, S., Wolfender, J.-L., Georgiev, M. I.** New tetraacetylated iridoid glycosides from *Sambucus ebulus* L. leaves. *Phytochemistry Letters*, 20, Elsevier, 2017, ISSN:1874-3900, DOI:[10.1016/j.phytol.2017.01.003](https://doi.org/10.1016/j.phytol.2017.01.003), 429-432. SJR:0.543, ISI IF:1.418
 4. **Anastassova, N., Mavrova, A. Ts., Yancheva, D., Kondeva-Burdina, M., Tzankova, V., Stoyanov, S., Shivachev, B., Nikolova, R.** Hepatotoxicity and antioxidant activity of some new N,N'-disubstituted benzimidazole-2-thiones, radical scavenging mechanism and structure-activity relationship. *Arab. J. Chem.*, Elsevier, 2017, ISSN:1878-5352, DOI:[10.1016/j.arabjc.2016.12.003](https://doi.org/10.1016/j.arabjc.2016.12.003), ISI IF:3.613
 5. **Angelova, S., Antonov, L.** Molecular Insight into Inclusion Complex Formation of Curcumin and Calix[4]arene. *ChemistrySelect*, 2, 30, Wiley, 2017, ISSN:2365-6549, DOI:[10.1002/slct.201701865](https://doi.org/10.1002/slct.201701865), 9658-9662
 6. **Angelova, S., Nikolova, V., Molla, N., Dudev, T.** Factors Governing the Host-Guest Interactions between IIA/IIB Group Metal Cations and α -Cyclodextrin: a DFT/CDM Study. *Inorganic Chemistry*, 56, 4, ACS, 2017, ISSN:0020-1669, DOI:[10.1021/acs.inorgchem.6b02564](https://doi.org/10.1021/acs.inorgchem.6b02564), 1981-1987. ISI IF:4.857
 7. **Angelova, S., Nikolova, V., Dudev, T.** Determinants of the host-guest interactions between α -, β - and γ -cyclodextrins and group IA, IIA and IIIA metal cations: a DFT/PCM study. *Phys. Chem. Chem. Phys.*, 19, RSC, 2017, DOI:[10.1039/C7CP01253E](https://doi.org/10.1039/C7CP01253E), 15129-15136. ISI IF:4.123
 8. **Angelova, S., Nikolova, V., Pereva, S., Spassov, T., Dudev, T.** α -Cyclodextrin: How Effectively Can Its Hydrophobic Cavity Be Hydrated?. *The Journal of Physical Chemistry B*, 121, 39, ACS Publications, 2017, DOI:[10.1021/acs.jpcc.7b04501](https://doi.org/10.1021/acs.jpcc.7b04501), 9260-9267. ISI IF:3.177

9. **Antonov, L.** An alternative for the calculation of derivative spectra in the near-infrared spectroscopy. *Journal of Near Infrared Spectroscopy*, 25, 2, SAGE, 2017, DOI:10.1177/0967033516688222, 145-148. ISI IF:0.997
10. **Bakalova S. M., Kaneti J.** Stereoselectivity in the Diels-Alder addition of S-hydroxy-N-methyl succinimide acrylate to cyclopentadiene: origins and DFT computational models. *Bulgarian Chemical Communications*, 49, Special Issue B, BULGARIAN ACAD SCIENCE, CENTRAL LIBRARY 7 NOEMVRI NO 1, SOFIA, 00000, BULGARIA, 2017, ISSN:0324-1130, 64-70. ISI IF:0.238
11. **Bakalova S. M., Kaneti J.** Theoretical insights regarding the electronic spectra and proton transfers in a sensor molecule. *Bulgarian Chemical Communications*, 49, Special Issue G, BULGARIAN ACAD SCIENCE, CENTRAL LIBRARY 7 NOEMVRI NO 1, SOFIA, 00000, BULGARIA, 2017, ISSN:0324-1130, 71-77. ISI IF:0.238
12. **Bakalova, S. M., Kaneti, J., Markova, N.** Computational study of exo-selective Diels-Alder cycloadditions, catalyzed by aluminum chloride. *Bulgarian Chemical Communications*, 49, Special Issue D, BULGARIAN ACAD SCIENCE, CENTRAL LIBRARY 7 NOEMVRI NO 1, SOFIA, 00000, BULGARIA, 2017, ISSN:0324-1130, 195-200. ISI IF:0.238
13. **Bankova, V.** 33. Introduction to the Special Issue on the 9(th) Conference on Medicinal and Aromatic Plants of the South-Eastern European Countries (9(th) CMAPSEEC, 2016). *Natural Product Communications*, 12, 2, 2017, ISI IF:0.773
14. **Dangalov, M., Vassilev, N. G., Petrov, P.** Naphthalimide-based platinum(II) and palladium(II) N-heterocyclic carbene complexes: synthesis and structural elucidation. *Bulgarian Chemical Communications*, 49, Special Issue B, 2017, ISSN:0324-1130, 42-49. ISI IF:0.238
15. **Danova K., Koleva P., Aneva I., Evstatieva L.** MULTIPLICATION AND POLYPHENOLICS PRODUCTION OF *SIDERITIS SCARDICA* THROUGH DIFFERENT TISSUE CULTURE APPROACHES. *Фарма*, 2017, ISBN:979-853-476-132-4, 100-104
16. **Danova, K., Motyka, V., Todorova, M., Trendafilova, A., Krumova, S., Dobrev, P., Andreeva, T., Oreshkova, T., Taneva, S., Evstatieva, L.** Effect of cytokinin and auxin treatments on morphogenesis, terpenoid biosynthesis, photosystem structural organization, and endogenous isoprenoid cytokinin profile in *Artemisia alba* Turra in vitro. *Journal of Plant Growth Regulation*, Springer, 2017, DOI:DOI 10.1007/s00344-017-9738-y, ISI IF:2.073
17. **Denev P., Uchkunov I., Uchkunov V., Kratchanova M.** Content of steviol glycosides in stevia (*Stevia Rebaudiana* B.) genotypes cultivated in Bulgaria. 49, Special Edition B, 2017, 121-125. ISI IF:0.238
18. **Denev P.** Oxygen Radical Absorbance Capacity of Bulgarian fruits, vegetables, herbs and mushrooms. A review. *Bulgarian Chemical Communications*, 49, Special Edition B, 2017, 199-206. ISI IF:0.238
19. **Dobrikov, G.M., Slavchev, I., Nikolova, I., Stoyanova, A., Nikolova, N., Mukova, L., Nikolova, R., Shivachev, B., Galabov, A.S.** Synthesis and anti-enterovirus activity of new analogues of MDL-860. *Bioorganic & Medicinal Chemistry Letters*, 27, 19, Elsevier, 2017, ISSN:0960-894X, DOI:10.1016/j.bmcl.2017.08.056, 4540-4543. SJR:0.843, ISI IF:2.454
20. **Doncheva, T., Stanilova, M., Vutov, V., Philipov, S.** Alkaloids of Seeds, in vitro Cultivated, and ex vitro Adapted Plants of the Bulgarian Endemic Species *Papaver degenii* (Papaveraceae). *Natural Product Communications*, 12, 3, 2017, ISSN:1934-578X, 359-361. ISI IF:0.927

21. **Enchev V.**, Mehandzhiski A. Y.. Computational insight on the chalcone formation mechanism by the Claisen–Schmidt reaction. *International Journal of Quantum Chemistry*, 117, 11, Wiley Periodicals, Inc., 2017, ISSN:1097-461X, DOI:10.1002/qua.25365, e25365. ISI IF:2.184
22. **Enchev, V., Markova, N.**, Marinov, M., Stoyanov, N., **Rogojerov, M.**, Ugrinov, A., Wawer, I., Pisklak, D.M.. 2-Methylthio-imidazolins – a rare case of different tautomeric forms in solid state and in solution. *Structural Chemistry*, 28, 3, Springer International Publishing AG., 2017, ISSN:1572-9001, DOI:10.1007/s11224-016-0860-4, 757-772. ISI IF:1.854
23. **Enchev, V.**, Gadjev, N., **Angelov, I.**, Minkovska, S., **Kurutos, A., Markova, N.**, Deligeorgiev, T.. Green synthesis, structure and fluorescence spectra of new azacyanine dyes. *Journal of Molecular Structure*, 1147, ELSEVIER SCIENCE BV, AMSTERDAM, NETHERLANDS, 2017, ISSN:0022-2860, DOI:10.1016/j.molstruc.2017.06.119, 380-387. ISI IF:1.753
24. **Eneva, I., Aliosman, M., Angelov, I., Popov, K., Mantareva, V.** Mono-ring phthalocyanine complexes of large ions Lu³⁺ and Sn⁴⁺: synthesis and comparison of photophysical properties. *Bulgarian Academy of Sciences, Union of Chemists in Bulgaria*, 49, D, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 246-252. ISI IF:0.238
25. **Genova, I., Tsoncheva, T.** Silica supported copper and cobalt binary oxides as catalysts for methanol decomposition: Effect of preparation procedure. *BULGARIAN CHEMICAL COMMUNICATIONS*, 49, Special Issue D, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 49-54. ISI IF:0.238
26. **Georgiev, Y. N., Ognyanov, M. H., Denev, P. N., Kratchanova, M. G.** Perspective therapeutic effects of immunomodulating acidic herbal heteropolysaccharides and their complexes in functional and dietary nutrition. *Therapeutic Foods*, 8, Elsevier Ltd. Academic Press, 2017, ISBN:9780128115176, DOI:https://doi.org/10.1016/B978-0-12-811517-6.00010-6, 43, 285-327
27. **Georgiev, Y. N., Ognyanov, M. H.**, Kiyohara, H., Batsalova, T. G., Dzhambazov, B. M., Ciz, M., **Denev, P. N.**, Yamada, H., Paulsen, B. S., Vasicek, O., Lojek, A., Barsett, H., **Antonova, D., Kratchanova, M. G.** Acidic polysaccharide complexes from purslane, silver linden and lavender stimulate Peyer's patch immune cells through innate and adaptive mechanisms. *International Journal of Biological Macromolecules*, 105, 1, Elsevier Ltd., 2017, DOI:doi.org/10.1016/j.ijbiomac.2017.07.095, 730-740. ISI IF:3.671
28. **Georgiev, Y. N.**, Paulsen, B. S., Kiyohara, H., Ciz, M., **Ognyanov, M. H.**, Vasicek, O., Rise, F., **Denev, P. N.**, Lojek, A., Batsalova, T. G., Dzhambazov, B. M., Yamada, H., Lund, R., Barsett, H., Krastanov, A. I., **Yanakieva, I. Z., Kratchanova, M. G.** Tilia tomentosa pectins exhibit dual mode of action on phagocytes as β -glucuronic acid monomers are abundant in their rhamnogalacturonans I. *Carbohydrate Polymers*, 175, Elsevier Ltd., 2017, DOI:doi.org/10.1016/j.carbpol.2017.07.073, 178-191. ISI IF:4.811
29. **Georgiev, Y. N.**, Paulsen, B. S., Kiyohara, H., Ciz, M., **Ognyanov, M. H.**, Vasicek, O., Rise, F., **Denev, P. N.**, Yamada, H., Lojek, A., Kussovski, V., Barsett, H., Krastanov, A. I., **Yanakieva, I. Z., Kratchanova, M. G.** The common lavender (*Lavandula angustifolia* Mill.) pectic polysaccharides modulate phagocytic leukocytes and intestinal Peyer's patch cells. *Carbohydrate Polymers*, 174, Elsevier Ltd., 2017, DOI:doi.org/10.1016/j.carbpol.2017.07.011, 948-959. ISI IF:4.811
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31. **Guncheva M., Yancheva D.,** Uzunova V., Ossowicz P., **Idakieva K., Raynova Y.,** Janus E., Tzoneva R.. Structural destabilization and enhanced cytotoxicity on murine fibroblasts of Helix pomatia β -hemocyanin in presence of four cholinium amino acids. Bulgarian Chemical Communications, 49, D, БАН, 2017, ISSN:0324-1130, DOI:http://www.bcc.bas.bg/BCC_Volumes/Volume_49_Special_D_2017/BCC2017-49-SE-D-82-86.pdf, 82-86. ISI IF:0.238
32. **Guncheva M.,** Stippler E. Effect of Four Commonly Used Dissolution Media Surfactants on Pancreatin Proteolytic Activity. AAPS PharmSciTech, 18, 4, Springer, 2017, DOI:10.1208/s12249-016-0618-8, 1402-1407. ISI IF:1.954
33. **Guncheva, M., Yancheva, D.,** Ossowicz, P., Janus, E.. Structural basis for the inactivation of Candida rugosa lipase in the presence of amino acid ionic liquids. Bulg. Chem. Commun., 49B, 2017, 132-136. ISI IF:0.229
34. **Hristova, S., Angelova, S.,** Hansen, P. E., **Antonov, L.** 4-Carboxyl-2,6-dinitrophenylazohydroxynaphthalenes tautomerism NMR reexplained and other methods verified. Dyes and Pigments, 142, Elsevier, 2017, ISSN:0143-7208, DOI:10.1016/j.dyepig.2017.03.037, 226-229. ISI IF:4.055
35. **Hristova, S.,** Kamouhan, F.S., **Molla, N.,** Hansen, P.E., **Nedeltcheva, D., Antonov, L.** The possible tautomerism of the potential rotary switch 2-(2-(2-Hydroxy-4-nitrophenyl)hydrazono)-1-phenylbutane-1,3-dione. Dyes and Pigments, 144, Elsevier, 2017, DOI:10.1016/j.dyepig.2017.05.021, 249-261. ISI IF:3.473
36. **Issa, G., Dimitrov, M.,** Kovacheva, D., Henych, J., Štengl, V.. Effect of phase composition on the formation of active sites in titania-ceria catalysts for ethyl acetate total oxidation. BULGARIAN CHEMICAL COMMUNICATIONS, 49, Special Issue F, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 114-120. ISI IF:0.238
37. **Issa, G., Tsoncheva, T.,** Mileva, A., **Dimitrov, M.,** Kovacheva, D., Henych, J., Štengl, V.. Copper supported on nanostructured mesoporous ceria-titania composites as catalysts for sustainable environmental protection: Effect of support composition. BULGARIAN CHEMICAL COMMUNICATIONS, 49, Special Issue D, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 55-62. ISI IF:0.238
38. **Issa, G.,** Mileva, A., **Dimitrov, M.,** Henych, J., Štengl, V.. Titania doped with ceria and zirconia mesoporous nanocomposites: preparation, characterization and application in catalysis. Nanoscience & Nanotechnology, 17, Nanoscience & Nanotechnology, 2017, 18-22
39. **Ivanov, P.,** Tsvetanov, Ch.. Conformational analysis of oligomers of non-ionic thermoresponsive polymers containing amide groups. Bulgarian Chemical Communications, 49, Special Issue B, Bulgarian Academy of Sciences, 2017, ISSN:0861-9808, 145-150. ISI IF:0.32
40. **Ivanova, R., Dimitrov, M.,** Kovacheva, D., **Tsoncheva, T.** Copper and/or cobalt modified nanostructured Ce-Zr mixed oxides as efficient catalysts for ethyl acetate total oxidation. BULGARIAN CHEMICAL COMMUNICATIONS, 49, Special Issue D, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 92-98. ISI IF:0.238
41. **Ivanova, R., Dimitrov, M.,** Kovacheva, D., **Tsoncheva, T.** Influence of the hydrothermal treatment temperature on the properties of mixed ceria-zirconia catalysts for ethyl acetate combustion. BULGARIAN CHEMICAL COMMUNICATIONS, 49, Special Issue, Bulgarian Academy of Sciences, 2017, ISSN:0324-1130, 84-90. ISI IF:0.238

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48. **Kancheva, V.D., Angelova, S.E.** Synergistic effects of antioxidant compositions during inhibited lipid autoxidation. *Lipid Peroxidation: Inhibition, Effects and Mechanisms*, Nova Science Publisher, New York, USA, 2017, ISBN:1536105066, 44
49. **Kantardjiev, A. A.** Subtle.Nets.Finder: finely tuned interaction networks in DNA/RNA/protein complexes. *J Mol Model*, 23, Springer, 2017, DOI:10.1007/s00894-017-3262-7, 84. ISI IF:1.5
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51. **Kosateva, A., Stefanova, M., Marinov, M., Czech, J., Carleer, R., Yperman, J.** Characterization of organic compounds in leachates from Bulgarian lignites by spectroscopy, chromatography and reductive pyrolysis. *Intern. J. of Coal Geology*, 183, Elsevier, 2017, ISSN:0166-5162, 100-109. ISI IF:4.783
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53. **Kurteva, V., Lubenov, L., Petrova, M.** Selective C-acylation of 3-methyl-1-phenyl-pyrazol-5-one. *Comprehensive Organic Chemistry Experiments for the Laboratory Classroom (COCELC)*, chapter 2.2.1, RSC Publishing, 2017, ISBN:9781849739634, 5, 107-111

54. **Kurteva, V., Trendafilova, A., Simova, S.** Chemical profile of *Artemisia annua* from the region of Sliven, Bulgaria. A preliminary NMR study. *Bulgarian Chemical Communications*, 49, Special Issue D, 2017, ISSN:0324-1130, 209-214. ISI IF:0.238
55. **Manolova, Y., Nedeltcheva, D., Antonov, L.** 4-Carboxyl-2,6-dinitrophenylazohydroxynaphthalenes tautomerism theoretically re-explained. *Dyes and Pigments*, 136, Elsevier, 2017, ISSN:0143-7208, DOI:10.1016/j.dyepig.2016.09.027, 663-668. SJR:1.241, ISI IF:4.055
56. **Markova, N., Georgieva, A., Philipova, I., Angelov, I., Enchev, V., Kril, A.** Cytotoxicity assay and intracellular localization of 2-carbamido-1,3-indandione in Balb/c 3T3 cells. *Bulgarian Chemical Communications*, 49, D, BULGARIAN ACAD SCIENCE, 2017, ISSN:0324-1130, 221-226. ISI IF:0.238
57. **Markova, N., Pejov, L., Stoyanova, N., Enchev, V.** Hybrid MC/QC simulations of water-assisted proton transfer in nucleosides. Guanosine and its analogue acyclovir. *Journal of Biomolecular Structure and Dynamics*, 35, 6, Taylor & Francis, 2017, ISSN:1538-0254, DOI:http://dx.doi.org/10.1080/07391102.2016.1179594, 1168-1188. ISI IF:3.123
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59. **Molla, N., Bakardzhiyski, I., Manolova, Y., Bambalov, V., Cozzolino, D., Antonov, L.** The Effect of Path Length on the Measurement Accuracies of Wine Chemical Parameters by UV, Visible, and Near-Infrared Spectroscopy. *Food Analytical Methods*, 10, 5, Springer, 2017, DOI:10.1007/s12161-016-0735-8, 1156-1163. ISI IF:2.167
60. **Momchilova, S.M., Taneva, S.P., Zlatanov, M.D., Antova, G.A., Angelova-Romova, M.J., E. Blagoeva.** Fatty acids, tocopherols and oxidative stability of hazelnuts during storage. *Bulgarian Chemical Communications*, 49, Special issue G, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2017, ISSN:0324-1130, 65-70. ISI IF:0.229
61. **Nedeltcheva-Antonova, D., Stoicheva, P., Antonov, L.** Chemical profiling of Bulgarian rose absolute (*Rosa damascena* Mill.) using gas chromatography–mass spectrometry and trimethylsilyl derivatives. *Industrial Crops and Products*, 108, Elsevier, 2017, DOI:10.1016/j.indcrop.2017.06.007, 36-43. ISI IF:3.181
62. **Popova, M., Antonova, D., Bankova, V.** Chemical composition of propolis and American foulbrood: Is there any relationship?. *Bulgarian Chemical Communication, Special Issue D*, 49, 2017, 171-175. ISI IF:0.238
63. **Popova, M., Lazarova, H., Kalvachev, Y., Todorova, T., Szegedi, Á., Shestakova, P., Mali, G., Dasireddy, V. D. B. C., Likozar, B.** Zr-modified hierarchical mordenite as heterogeneous catalyst for glycerol esterification. *Catalysis Communications*, 100, 2017, ISSN:15667367, DOI:10.1016/j.catcom.2017.06.009, 10-14. ISI IF:3.33
64. **Popova, M., Trusheva, B., Bankova, V.** Content of biologically active compounds in Bulgarian propolis: a basis for its standardization. *Bulgarian Chemical Communications*, 49, Special Edition B, 2017, 115-120. ISI IF:0.229
65. **Popova, M., Giannopoulou, E., Skalicka-Woźniak, K., Graikou, K., Widelski, J., Bankova, V., Kalofonos, H., Sivolapenko, G., Gawel-Bęben, K., Antosiewicz, B., Chinou, I.** Characterization and Biological Evaluation of Propolis from Poland. *Molecules*, 22, 2017, 1159-1172. ISI IF:2.861

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67. **Popova, M.**, Szegedi, Á., **Lazarova, H.**, **Dimitrov, M.**, Kalvachev, Y., Atanasova, G., Ristić, A., Wilde, N., Gläser, R.. Influence of the preparation method of sulfated zirconia nanoparticles for levulinic acid esterification. *Reaction Kinetics, Mechanisms and Catalysis*, 120, 1, 2017, ISSN:18785190, DOI:10.1007/s11144-016-1088-4, 55-67. SJR:0.394, ISI IF:1.265
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69. **Raynova, Y.**, **Idakieva, K.**, **Gancheva M.**, Uzunova, V, Ossowicz, P., Janus, E., **Angelov, I.**, Tzoneva, R.. Hemocyanin from *Rapana thomasiana* – structure and anti-breast cancer activity in a presence of cholinium amino acid ionic liquids. *Bulgarian Chemical Communications*, 49 L, 2017, ISSN:0324-1130, 5-11. ISI IF:0.238
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