

Доц. д-р инж. Весела Денева Кънчева

**Списък с цитатите върху трудовете, представени за конкурса
за заемане на академичната длъжност „професор“,
профессионално направление 4.2 Химически науки, научна специалност
„Биоорганична химия, химия на природните и физиологичноактивни
вещества“ за нуждите на Лаборатория по „Химия на липидите“,
Институт по органична химия с Център по фитохимия, БАН, обявен в
Държавен Вестник бр. 94 от 24.11.2017 г.**

Труд 34. Karamac, M., Koleva, L., **Kancheva, V. D.**, Amarowicz, R.
The structure-antioxidant activity relationship of ferulates.
Molecules, 22, 2017, 527-535, ISSN:1420-3049, ISI IF: 2.988, DOI: 10.3390/molecules22040527

Цитира се в:

1. Karamian, R., Asadbegy, M., Yari, S. "Protective potency of Meristotropis xanthioides against nephrotoxicity in a rat model along with its antioxidant and antibacterial activities", Asian Pacific Journal of Tropical Medicine, 10 (10), 2017, 960-966.
2. Sabatier, J.-M. Special issue "Structure-activity relationship of natural products" (Editorial), Molecules, 22 (5), May 2017, Article number 697, Open Access.
3. Lukáš Slovák, Karol Švík, Danica Mihalová, Jaroslav Tóth, Szilvia Czigle, L'udmila Pašková, František Bilka, Katarína Bauerová. "Ferulaldehyde Improves the Effect of Methotrexate in Experimental Arthritis", Molecules, 22 (11), 2017, 1911, DOI10.3390/ molecules22111911

Труд 40. Slavova-Kazakova,A., Karamac, M., **Kancheva, V.**, Amarowicz, R.
Antioxidant activity of Flaxseed extracts in lipid systems.
Molecules, 21, 17, 2016, 17-28, ISSN:1420-3049, ISI IF: 2.861 (5 год. IF: 2.988)

Цитира се в:

4. Dzialo, M., Mierziak, J., Korzun, U., Preisner, M., Szopa, J., Kulma, A. "The potential of plant phenolics in prevention and therapy of skin disorders". International Journal of Molecular Sciences, 17 (2), 2016, 160, DOI: 10.3390/ijms17020160
5. Sun, X.F., Zhu, W.X., Li, X.L., Fan, J.L. "Effects of heat pump drying temperature and dietary fat on carrot β-carotene bioaccessibility", International Journal of Agricultural and Biological Engineering, 10 (4), 2017, 234-242. DOI: 10.25165/j.ijabe.20171004.2375
6. Tarushi, A., Raptopoulou, C.P., Pscharis, V., Kessissoglou, D.P., Papadopoulos, A. N.,

Psomas, G., "Interaction of zinc(II) with the non-steroidal anti-inflammatory drug niflumic acid" Journal of Inorganic Biochemistry, 176, **2017**, 100-112, DOI:10.1016/j.jinorgbio.2017.08.022

7. Sun Xiaofei, Zhu Wenzhe, Li Xinling, Fan Jinling, "Effects of heat pump drying temperature and dietary fat on carrot beta-carotene bioaccessibility", Int. J. of Agric. and Biolog. Engin., 10 (4), 2017, 234-242, DOI: 10.25165/i.ijabe.20171004.2375

Труд 41. Foti, M. C., Slavova-Kazakova, A., Rocco, C., **Kancheva, V. D.**

Kinetics of curcumin oxidation by 2,2'-diphenyl-1-picrylhydrazyl (DPPH•): an interesting case of separated couplet proton – electron transfer.

Organic & Biomolecular Chemistry, 14, **2016**, 8331-8337, ISSN: 2321-4163, ISI IF: 3.564

Цитира се в:

8. Amorati, R., Valgimigli, L., Viglianisi, C., Schmallegger, M., Neshchadin, D., Gescheidt, G. "Proton-Coupled Electron Transfer from Hydrogen-Bonded Phenols to Benzophenone Triplets", Chemistry - A European Journal, 23 (22), **2017**, 5299-5306, DOI: 10.1002/chem.201605931

Труд 42. Slavova-Kazakova, A. K., Angelova, S. E., Veprintsev, T. L., Denev, P., Fabbri, D., Dettori, M. A., Kratchanova, M., Naumov, V. V., Trofimov, A. V., Vasil'ev, R. F., Delogu, G., **Kancheva, V. D.**

Antioxidant potential of curcumin-related compounds studied by chemiluminescence kinetics, chain-breaking efficiencies, scavenging activity (ORAC) and DFT calculations.

Beilstein Journal of Organic Chemistry, 11, **2015**, 1398-1411. ISSN:1860-5397, DOI:10.3762/bjoc.11.151, SJR:1.054, ISI IF: 2.697 (5 год. IF: 2.844)

Цитира се в:

9. González-Albadalejo, J., Sanz, D., Claramunt, R.M., Lavandera, Alkorta, I., Elguero, J., "Curcumin and curcuminoids: chemistry, structural studies and biological properties" (Review), Anales de la Real Academia Nacional de Farmacia, 81 (4), **2015**, 278-310 (An Real Acad Farm); ISSN online: 1697-4298.
10. Vladimirov, G., Sergunova, E. V., Izmaylov, D. Yu., Vladimirov, Yu. A., "Chemiluminescent determination of total antioxidant capacity in medicinal plant material", Вестник Российской государственной медицинской академии им. Н.И.Пирогова, 2, **2016**, 62-68.
11. Chen, P., Zhang, H., Cheng, Sh., Shen, Ch., "Development of curcumin loaded nanostructured lipid carrier based thermostable in situ gel for dermal delivery", Colloids and Surfaces. A. Physicochemical and Engineering Aspects, 506, **2016**, 356–362, DOI: 10.1016/j.colsurfa.2016.06.054.
12. Izmailov, D.Y., Proskurnina, E.V., Shishkanov, S.A., Vladimirova, G.A., Vladimirov, Y.A., "The effect of antioxidants on the formation of free radicals and primary products of the peroxidase reaction", Biophysics (Russian Federation), 62 (4), **2017**, 557-564.
13. Arellano, J.B., Mellado-Ortega, E., Naqvi, K.R., "The ORAC Assay: Mathematical Analysis of the Rate Equations and Some Practical Considerations", International Journal of Chemical Kinetics, 49 (6), **2017**, 409-418, DOI: 10.1002/kin.21086.
14. Luo, Cheng-Qiong, Lei Xing, Peng-Fei Cui, Jian-Bin Qiao, Yu-Jing He, Bao-An Chen, Liang Jin, and Hu-Lin Jiang, "Curcumin-coordinated nanoparticles with improved stability for

- reactive oxygen species-responsive drug delivery in lung cancer therapy”,
Int. J. Nanomedicine, 12, **2017**, 855–869, doi: 10.2147/IJN.S122678.
15. Kudryasheva, N. S., Kovel, E. S., Sachkova, A. S., Vorobeva, A. A., Isakova, V. G., Churilov, G. N. “Bioluminescent Enzymatic Assay as a Tool for Studying Antioxidant Activity and Toxicity of Bioactive Compounds”,
Photochemistry and Photobiology, 93 (2), **2017**, 536-540, DOI: 10.1111/php.12639
 16. Bognar, B., Kuppusamy, M. L., Madan, E., Kalai, T., Balog, M.; Jeko, J; Kuppusamy, P., Hideg, K. “Synthesis and Biological Evaluation of Curcumin-Nitroxide-Based Molecular Hybrids as Antioxidant and Anti-Proliferative Agents”,
Medicinal Chemistry, 13 (8), **2017**, 761-772 (12).
 17. Sachkova, A.S., E.S. Kovel, G.N. Churilov, O.A. Guseynov, A.A. Bondar, I.A. Dubinina, N.S. Kudryasheva, “On mechanism of antioxidant effect of fullerenols”,
Biochemistry and Biophysics Reports, 9, **2017**, 1–8.
 18. Bykhovskaya, O.V., Aladzheva, I.M., Makarov, M., Brel, V.K., "Synthesis and study of antitumor activity of 4H-pyrano[3, 2-c]pyridines based on N-(2-azidoethyl)- and N-propargyl-3, 5-bis(arylidene)-4-piperidinones",
Russian Chemical Bulletin, 66(1), **2017**, 104-110, DOI: 10.1007/s11172-017-1707-x
 19. Brasseur, L., Hennebert, E., Fievez, L., Caulier, G., Bureau, F., Tafforeau, L., Flammang, P., Gerbaux, P., Eeckhaut, I. “The Roles of Spinochromes in Four Shallow Water Tropical Sea Urchins and Their Potential as Bioactive Pharmacological Agents”,
Marine Drugs, 15 (6), **2017**, 179; doi:10.3390/md15060179.
 20. Goschorska, M., Giewoń, K., Hasior, N., Gutowska, I., Baranowska-Bosiacka, I., Rać, M.E., Chlubek, D., "The protective properties of selected naturally occurring antioxidants of plant origin against fluoride-induced neurotoxicity",
Fluoride, 50 (2), **2017**, 203-212.

Труд 43. Kancheva, V.D., Slavova-Kazakova, A., Terzieva, A., Ivanova, M., Tsrunchev, T.

Assessing the potential of some traditional bulgarian teas in scavenging free radicals and their antioxidant activity after gamma-irradiation.

La Rivista Italiana delle Sostanze Grasse, XCII, 3, **2015**, 175-182 ISSN:0035-6808, ISI IF:0.159 (5 год. IF: 0.264)

Цитира се в:

21. Alemán, M., Bou, R., Tres, A., Polo, J., Codony, R., Guardiola, F. “Oxidative stability of a heme iron-fortified bakery product: Effectiveness of ascorbyl palmitate and co-spray-drying of heme iron with calcium caseinate”,
Food Chemistry, 196, **2016**, 567-576.

Труд 44. Kancheva, V.D., Slavova-Kazakova, A., Fabbri, D., Dettori, M.A., Delogu, G., Janek, M., Amarowicz, R.

Protective Effects of Equimolar Mixtures of Dehydrozingerone and its Dimer with α -Tocopherol and/or Ascorbylpalmitate during Lipid Autoxidation,

Food Chemistry, 157, **2014**, 263-274, ISSN:0308-8146, DOI:10.1016/j.foodchem2015.09.031., SJR:1.42, ISI IF: 3.391 (5 год. IF: 3.901)

Цитира се в:

22. Shahidi, F., Ambigaipalan, P. “Phenolics and polyphenolics in foods, beverages and spices:

Antioxidant activity and health effects" - A review
Journal of Functional Foods, 18, **2015**, 820-897.

23. Aleman, M.; Bou, R.; Polo, J.; Rodriges, C.; Tores, A.; Cordony, R.; Guardiola, F. "Co-spray-drying effect of a heme ion ingredient to decrease its pro-oxidant effect in lipid-containing foods. Decreased pro-oxidant effect of heme iron co-spray-dried", European Journal of Lipid Science and Technology, 118 (2), **2016**, 195-207, DOI: 0.1002/ejlt.201400377.
24. Alemán, M., Bou, R., Tres, A., Polo, J., Codony, R., Guardiola, F., "Oxidative stability of a heme iron-fortified bakery product: Effectiveness of ascorbyl palmitate and co-spray-drying of heme iron with calcium caseinate", Food Chemistry, 196, **2016**, 567-576.
25. Hampannavar, G. A. Karpoormath, R., Palkar, M., Shaikh, M. S. "An Appraisal on Recent Medicinal Perspective of Curcumin degradant: Dehydrozingerone (DZG)", Bioorganic & Medicinal Chemistry, 24 (4), **2016**, 501-520. DOI: 10.1016/j.bmc.2015.12.049

Труд 45. Janiak, M, Slavova-Kazakova, A., Kancheva, V., Amarowicz, R.

Sephadex LH-20 column chromatography of the hydrolyzed lignan macromolecule of flaxseed,
Bulgarian Chemical Communication, 46, (3) 2014, 640-644, ISSN: 0324-1130, ISI IF: 0.201

Цитира се в:

26. Alu'datt. M.H., Rababah, T., Alhamad, M.N., Al-Mahasneh, M.A., Almajwal, A., Gammoh, S., Ereifrej, K., Johargy, A., Alli, I. "A review of phenolic compounds in oil-bearing plants: Distribution, identification and occurrence of phenolic compounds". Food Chemistry, 218 (1), **2017**, 99-106.

Труд 46. Angelova, S.E., Slavova-Kazakova, A. K., Saso, L., Malhotra, S. V., Prasad, A. K., Bracke, M. E., Parmar, V. S., Kancheva, V.D. DFT/B3LYP calculated bond-dissociation enthalpies, radical-scavenging and antioxidant activities of natural-like coumarins.

Bulgarian Chemical Communications, 46, Special Issue A, 2014, 187-195 , ISSN:0324-1130, ISI IF:0.201

Цитира се в:

27. Wenrui Zheng, Lanlan Ding, Jiaoyang Wang and Yingxing Wang, "Computational study on alkenyl/aryl C(sp₂)-O homolytic cleavage of carboxylates and carbamates", RSC Advance, 32, **2016**, 26514-26525, DOI: 10.1039/C5RA27859G

Труд 47. Kancheva, V.D., Kasaikina, O.T.

Bio-antioxidants – a Chemical Base of their Antioxidant Activity and Beneficial Effect on Human Health.

Current Medicinal Chemistry, 20 (37), 2013, 4784-4805, ISSN:1875-533X (online); 0929-86673 (print), DOI:10.2174/0929867311320999061, ISI IF: 3.715 (5 год. IF: 4.239)

Цитира се в:

28. Heckman, K.L., Erlichman, J., Reed, K., Skeels, M. "Application of mass spectrometry to characterize localization and efficacy of nanoceria in vivo", Advances in Experimental Medicine and Biology, 806, **2014**, 561-579.
29. Chao, P.-Y., Lin, S.-Y., Lin, K.-H., Liu, Y.-F., Hsu, J.-I., Yang, C.-M., Lai, J.-Y. "Antioxidant Activity in Extracts of 27 Indigenous Taiwanese Vegetables",

- Nutrients, 6 (5), **2014**, 2115-2130.
- 30. Inami, K., Suzuki, M., Shimizu, A., Fukurawa, M., Morita, M., Mochizuki, M. "Substituent effect on the radical scavenging activity of 6-chromanol derivatives", RSC Advances, 4 (83), **2014**, 43882-43889.
 - 31. Shymanskyy, I.O., Khomenko, A.V., Lisakovska, O.O., Labudzynskyi, D.O., Apukhovska, L.I., Veliky, M.M. "The ROS-generating and antioxidant systems in the liver of rats treated with prednisolone and vitamin D3", Ukrains'kyi Biokhimichnyi Zhurnal, 86 (5), **2014**, 111-125.
 - 32. Карамалакова, Я. „Комплексна оценка на антиоксидантните свойства на природни и синтетични антиоксиданти като потенциални протектори на противотуморни лекарства“, Дисертация, Тракийски Университет, Стара Загора, **2014** г.
 - 33. Maadane, A., Merghoub, N., Ainane, T., El Arroussi, H., Benhima, R., Amzazi, S., Bakri, Y., Wahby, I. "Antioxidant activity of some Moroccan marine microalgae: Pufa profiles, carotenoids and phenolic content", Journal of Biotechnology, 215, **2015**, 13-19.
 - 34. Chisté, R.C., Freitas, M., Mercadante, A.Z., Fernandes, E.; Chisté, R.C., Freitas, M., Mercadante, A.Z., Fernandes, E. "Superoxide anion radical: Generation and detection in cellular and non-cellular systems" (Review), Current Medicinal Chemistry, 22 (37), **2015**, 4234-4256.
 - 35. Brown, L.A.S., Jones, D.P.; "Glutathione and thiols" (Book Chapter) in: Studies on Experimental Toxicology and Pharmacology, **2015**, 131-147.
 - 36. Kim, G.H., Kim, N.Y., Kang, S.-H., Lee, H.J. "Phytochemicals and antioxidant activity of codonopsis lanceolata leaves", Korean Journal of Food Science and Technology, 47 (5), **2015**, 680-685.
 - 37. Silva, B.J.C., Seca, A.M.L., Barreto, M.C., Pinto, D.C.G.A.; Recent breakthroughs in the antioxidant and anti-inflammatory effects of Morella and Myrica species (Review); International Journal of Molecular Sciences, 16, **2015**, 17160-17180.
 - 38. Wei, Z.-Q., Yan, L., Deng, J.-G., Tang, H.-Q.; Effect of mangiferin on superoxide dismutase isozyme expression in rats with chronic bronchitis, Chinese Pharmaceutical Journal, 50, **2015**, 941-946.
 - 39. Kolesnikova, L., Semenova, N., Madaeva, I., Suturina, L., Solodova, E., Grebenkina, L., Dareneskaya, M., Antioxidant status in peri-and postmenopausal women, Maturitas, 81, **2015**, 83-87.
 - 40. Leone, A., Spada, A., Battezzati, A., Schiraldi, A., Aristil, J., Bertol, S.; Cultivation, Genetic, Ethnopharmacology, Phytochemistry and Pharmacology of *Moringa oleifera* leaves: An Overview, International Journal of Molecular Sciences, 16, **2015**, 12791-12835.
 - 41. Olguin-Albuerne, M., Zaragoza-Campillo, M.A., Moran, J., Role of reactive oxygen species as signaling molecules in the regulation of physiological process of the nervous system: in: "Reactive oxygen species, lipid peroxidation and protein oxidation"; Chapter 8, Ed. A. Catala, Nova Science Publishers, USA, **2015**, 169-204.
 - 42. Turgut, N.H., Mert, D.G., Kara, H., Egilmez, H.R., Arslanbas, E., Tepe, B., Gungor, H., Yilmaz, N., Tuncel, N.B. Effect of black mulberry (*Morus nigra*) extract treatment on cognitive impairment and oxidative stress status of d -galactose-induced aging mice; Pharmaceutical Biology, 54 (6), **2016**, 1052-1064.

43. Matias, M., Silvestre, S., Falcao, A., Alves, G.; *Gastrodia elata* and epilepsy: Rationale and therapeutic potential, *Phytomedicine*, 23 (2), **2016**, 1511-1526.
44. Topal, F., Nar, M., Gocer, H., Kalin, P., Kocyigit, U.M., Gülcin, I. , Alwasel, S.H.; Antioxidant activity of taxifolin: An activity-structure relationship, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 31 (4), **2016**, 674-683.
45. Feng, J.-F., Lu, L., Dai, C.-M. , Wang, D., Yang, Y.-H., Yang, Y.-W. , Liu, Y.-S. Analysis of the diagnostic efficiency of serum oxidative stress parameters in patients with breast cancer at various clinical stages, *Clinical Biochemistry*, 49 (9), **2016**, 692-698.
46. Velena, A., Zarkovic, H., Gall Troselj, K., Bisenieks, E., Krauze, A., Poikans, J., Duburs, G.; 1, 4-Dihydropyridine Derivatives: Dihydronicotinamide Analogues - Model Compounds Targeting Oxidative Stress, *Oxidative Medicine and Cellular Longevity*, **2016**(2):1-35 DOI: 10.1155/2016/1892412
47. Stojković, D.S., Kovačević-Grujičić, N., Reis, F.S., Davidović, S., Barros, L., Popović, J., Petrović, I., Pavić, A., Glamočlija, J., Ćirić, A., Stevanović, M., Ferreira, I.C.F.R., Soković, M. Chemical composition of the mushroom *Meripilus giganteus* Karst. and bioactive properties of its methanolic extract LWT *Food Science and Technology*, 79, **2017**, 454-462.
48. Lee, M.H., Cha, H.-J., Choi, E.O., Han, M.H., Kim, S.O., Kim, G.-Y., Hong, S.H., Park, C., Moon, S.-K., Jeong, S.-J., Jeong, M.-J., Kim, W.-J. , Choi, Y.H. Antioxidant and cytoprotective effects of morin against hydrogen peroxide-induced oxidative stress are associated with the induction of Nrf-2-mediated HO-1 expression in V79-4 Chinese hamster lung fibroblasts *International Journal of Molecular Medicine*, 39 (3), **2017**, 672-680.
49. Kasiotis, K.M., Anastasiadou, P., Papadopoulos, A., Machera, K. Revisiting Greek propolis: Chromatographic analysis and antioxidant activity study, *PLoS ONE*, Volume 12, Issue 1, **2017**, Article number e0170077 Open Access
50. Okayama, Y., Harada, M., Morita, M., Mochizuki, M., Inami, K. Synthesis and radical scavenging activity of substituted Benzo [H] chromanols, *Heterocycles*, 94 (5), **2017**, 865-878, DOI: 10.3987/COM-17-13671.
51. Smeriglio, A., Barreca, D., Bellocchio, E., Trombetta, D. Proanthocyanidins and hydrolysable tannins: occurrence, dietary intake and pharmacological effects Terms and conditions, *British Journal of Pharmacology*, 174 (11), **2017**, 1244-1262, DOI: 10.1111/bph.13630.
52. Nagina Gilani, Hasina Basharat, Huma Qureshi, Curcumin – A review on multipotential phytocompound September **2017** DOI10.12980/jclm.5.2017J7-115.
53. Jin-Sik Nam, Seo-Yeon Park, Hye Lim Jang, Young Ha Rhee, Phenolic compounds in different parts of young *Annona muricata* cultivated in Korea and their antioxidant activity August **2017** DOI10.1007/s13765-017-0309-5

Труд 49. Kancheva, V.D., Saso, L., Angelova, S.E., Foti, M.C., Slavova-Kazakova, A., Daquino, C., Enchev, V., Firuzi, O., Nechev, J.

Antiradical and antioxidant activities of new bio-antioxidants.

Biochimie, 94, **2012**, 403-415, ISSN:0300-9084, SJR: 1.183, ISI IF: 3.142 (5 год. IF: 3.555)

Цитира се в:

54. Viacava, G., Roura, S., Agüero, V., Optimización de la extracción de antioxidantes y

compuestos fenólicos de lechuga manteca mediante la metodología de superficie de respuesta,

XIV Congreso Argentino de Ciencia y Tecnología de Alimentos, Rosario, Santa Fe, Argentina, 2013.

55. Siddiqui, I.A., Jaleel, A., Al'Kadri, H.M., Akram, S., Tamimi, W., Biomarkers of Oxidative Stress in Women with Pre-eclampsia, *Biomarkers in Medicine*, 7 (2), **2013**, 229-234, DOI: 10.2217/bmm.12.109
56. Prevc, T., Šegatin, N., Ulrih, N. P., Cigić, B., DPPH Assay of Vegetable Oils and Model Antioxidants in Protic and Aprotic Solvents, *Talanta*, 109, **2013**, 13-19, DOI: 10.1016/j.talanta.2013.03.046
57. Chegaev, Konstantin, Chiara Riganti, Barbara Rolando, Loretta Lazzarato, Elena Gazzano, Stefano Guglielmo, Dario Ghigo, Roberta Fruttero, Alberto Gasco, Doxorubicin-antioxidant co-drugs, *Bioorganic and Medicinal Chemistry Letters*, 23 (19), **2013**, 5307-5310.
58. Xi, G.-L., Liu, Z.-Q., Antioxidant effectiveness generated by one or two phenolic hydroxyl groups in coumarin-substituted dihydropyrazoles, *European Journal of Medicinal Chemistry*, 68, **2013**, 385-393.
59. Jähnert, T., Hagerab, M. D., Schubert, U. S. Application of phenolic radicals for antioxidants, as active materials in batteries, magnetic materials and ligands for metal-complexes, *Journal of Materials Chemistry A*, 2(37), **2014**, 15234-15251, DOI:10.1039/C4TA03023K.
60. Schubert, K. S., Hager, M.D., Jahuert, Th. Application of phenolic radicals for antioxidants as active materials in batteries, magnetic materials and lignans for metal-complexes, **2014**, DOI:10.1039/CYTA03023K
61. Aggarwal, K., Khurana, J.M., X-ray diffraction, spectroscopic characterization and quantum chemical calculations by DFT and HF of novel 2-hydroxy-12-(4-hydroxyphenyl)-9, 9-dimethyl-9, 10-dihydro-8H-benzo[a]xanthen-11(12H)-one, *Journal of Molecular Structure*, 1079, **2014**, 21-34.
62. Zeller, W. E., Synthesis of 1-O-methylchlorogenic acid: Reassignment of structure for MCGA3 isolated from bamboo (*Phyllostachys edulis*) leaves, *Journal of Agricultural and Food Chemistry*, 62 (8), **2014**, 1860-186.
63. Guo, C., Hu, Y., Li, J., Lui, Y., Li, S., Wang, X., Liu, J., Wang, H., Identification of multiple peptides with antioxidant and antimicrobial activities from skin and its secretions of *Hylarana taipehensis*, *Amolops lifanensis*, and *Amolops granulosus*, *Biochimie*, 105, **2014**, 192-201.
64. Nakanishi, I., Ohkubo, K., Imai, K., Kamibayashi, M., Yoshihashi, Y., Matsumoto, K.-L., Fukuhara, K., terada, K., Itoh, S., Ozawa, T., Fukuzumi, S., Soilubilization of a 2, 2'-diphenyl-1-picrilhydrazyl radical in water by beta-cyclodextrin to evaluate the radical-scavenging activity of antioxidants in aquas media, *Chemical Communications*, 51, **2015**, 8311-8314.
65. Rawat, D.S., Joshi, G., Lamba, B.Y., Tiwari, A.K., Kumar, P. The effect of binary antioxidant proportions on antioxidant synergy and oxidation stability of Jatropha and Karanja biodiesels, *Energy*, 84, **2015**, 643-655.
66. Alov, P., Tsakovska, I., Pajeva, I. Computational studies of free radical-scavenging properties of phenolic compounds, *Current Topics in Medicinal Chemistry*, 15, **2015**, 85-104.

67. Malki, F., Touati, A., Moulay, S., Baltas, M., Antioxidant Activity of some Amidine Derivatives, International Conference on Chemical, Agricultural and Biological Sciences (CABS-2015) Sept. 4-5, **2015**, Istanbul (Turkey).
68. Zhao, Z.-Q., Su, Y.-F., Yang, F., Gao, X.-M., Li, T.-X.; Two new lignan glycosides from the fruits of Pyrus ussuriensis, Journal of Asian Natural Products Research, 18 (12), **2016**, 1151-1157.
69. Malki, F., Touati, A., Moulay, S., Baltas, M., Antioxidant and antimicrobial activities of two amidine derivatives, Mediterranean Journal of Biosciences, 1(2), **2016**, 62-68.
70. Rawat, D.S., Joshi, G., Pandey, J.K., Lamba, B.Y., Kumar, P. Algal biodiesel stabilization with lower concentration of 1:3 ratios of binary antioxidants – Key factors to achieve the best synergy for maximum stabilization, Fuel, 214, **2018**, 471-479, DOI: 10.1016/j.fuel.2017.11.056.

Труд 50.

Kancheva, V.D., Boranova, P. V., Nechev, J. T., Manolov, I. T.

Structure-Activity Relationships of New 4-Hydroxy-Biscoumarins as Radical Scavengers and Chain-Breaking Antioxidants.

BIOCHIMIE, 92, 9, 2010, 1138-1146, ISSN:0300-9084, ISI IF:3.787

Цитира се в:

71. Kostova, I., S.Bhatia, P.Grigorov, S.Balkansky, V.S.Parmar, A.K.Prasad, L.Saso; Coumarins as Antioxidants, Current Medicinal Chemistry 18 (25), **2011**, 3929-3951.
72. Çamur, M., Durmuş, A., Riza Özkaya, M. Bulut; Synthesis, Photophysical, Photochemical and Electrochemical Properties of Crown Ether Bearing Coumarin Substituted Phthalocyanines; Inorganica Chimica Acta , 383, **2012**, 287-299.
73. Pérez-Garrido, A., A.M.Helguera, J.M. Morillas Ruiz, P. Zafrilla Rentero; Topological Sub-structural Molecular Design Approach: Radical Scavenging Activity, European Journal of Medicinal Chemistry, 49, **2012**, 86-94.
74. Tabatabaeian, K., H. Heidari, A. Khorshidi, M. Mamaghani, N.O.Mahmoodi; Synthesis of Biscoumarin Derivatives by the Reaction of Aldehydes and 4-Hydroxycoumarin using Ruthenium (III) Chloride Hydrate as a Versatile Comogeneous Catalyst, Journal of the Serbian Chemical Society, 77 (4), **2012**, 407-413.
75. Osman, H., A.Arshad, C.K.Lam, M.C.Bagley, Microwave – Assisted Synthesis and Antioxidant Properties of Hydrazinyl Thiazolyl Coumarins Derivatives. Chemistry Central Journal, 6 (1), **2012**, art. No. 32.
76. Gupta, A.D., S.Samanta, R.Mondal, A.K.Mallik, A Convinient, Eco-friendly, and Efficient Method for Synthesis of 3, 3'-Arylmethylene-bis-4-hydroxycoumarins “On-water”. Bulletin of the Korean Chemical Society, 33 (12), **2012**, 4239-4242.
77. Seyed Mohammad Vahda, Single-stage and green synthesis of coumarin derivatives, catalyzed by cerium (4) Trifold at room temperature JAC, Article 7 , Volume 7, Issue 23 , Summer **2012**, DOI: 10.22075 / CHEM.2017.610
78. Spatafora, C., Daquino, C., Tringali, C., Amorati, R. Reaction of benzoxanthene lignans with peroxy radicals in polar and non-polar media: Cooperative behaviour of OH groups, Organic and Biomolecular Chemistry, 11 (26), **2013**, 4291-4294.
79. Ciesla, S., I.Kowalska, W.Oleszek, A.Stochmal, Free Radical Scavenging Activities of

Polyphenolic Compounds Isolated from *Medicago Sativa* and *Medicago Truncatula* Assessed by Means of Thin-layer Chromatography DPPHE Rapid Test,
Phytochemical Analysis, 24 (1), **2013**, 47-52.

80. Teixeira, J., Silva, T., Benfeito, S., Gaspar, A., Garrido, E.M., Garrido, J., Borges, F. Exploring Nature Profits: Development of Novel and Potent Lipophylic Antioxidants based on Galloyl-cinnamic Hybrids.
European Journal of Medicinal Chemistry, 62, **2013**, 289-296.
81. Tailor, N., Sharma, M. Antioxidant Hybrid Compounds:A Promising Therapeutic Intervention in Oxidative Stress induced Diseases.
Mini-Review in Medicinal Chemistry, 13 (2), **2013**, 280-297.
82. Bubols, G.B., da Rocha Vianna, D., Medina-Remon, A., von Poser, G., Lamuela-Raventos, R.M., Eifler-Lima, V.L., Garcia, S.C. The Antioxidant Activity of Coumarins and Flavonoids, *Mini-Review in Medicinal Chemistry*, 13 (3), **2013**, 318-334.
83. Saïd, A.B., Romdhane, A., Elie, N., Touboul, D., Jannet, H.B.; Synthesis of novel fused coumarine and naphtho[2, 1-b]pyrano[3, 2-e][1, 2, 4] triazolo[1, 5-c]pyrimidine derivatives; *Letters in Organic Chemistry* 10 (3) , **2013**, 185-190.
84. Gupta, A.D., S.Samanta, R.Mondal, A.K.Mallik, A Rapid, Efficient and Green Method for Synthesis of 3, 3'-Arylmethylene-bis-4-hydroxycoumarins without Use of any Solvent, Catalyst or Solid Surface,
Chem Sci Trans., 2(2), **2013**, 524-528, DOI:10.7598/cst2013.388
85. Oliveira, Mariana Bellini, Avaliação do potencial antialérgico de flavonóides: estudo sinergístico e influência de sistemas lipossomais,
Master's Dissertation, Ribeirão Preto, **2013** DOI:10.11606/D.60.2013.tde-06092013-094238
86. Ramagiri, R.K., Vedula, R.R., Synthesis of 3-(2-(4-chlorophenylimino)-3-(4-chlorophenyl)-2, 3-dihydrothiazol-4-yl)-2 h-chromen-2-one via multicomponent approach,
Synthetic Communications, 44 (9), **2014**, 1301-1306.
87. Arcau, J., Andermark, V., Aguiló, E., Gandioso, A., Moro, A., Cetina, M., Lima, J.C., Rissanen, K., Ott, I., Rodríguez, L., Luminescent alkynyl-gold(i) coumarin derivatives and their biological activity,
Dalton Transactions 43 (11), **2014**, 4426-4436.
88. Shirini, F., Abedini, M., Abroon Kiaroudi, S. Introduction of titania sulfonic acid (TiO₂-SO₃H) as a new, efficient, and reusable heterogenous solid acid catalyst for the synthesis of biscoumarins,
Phosphorus, Sulfur and Silicon and the Related Elements, 189 (9), **2014**, 1279-1288.
89. Babaei, H., Montazeri, N., Nano TiO₂: An efficient catalyst for the synthesis of biscoumarins in aqueous medium,
Oriental Journal of Chemistry 30 (2), **2014**, 577-580.
90. Albadi, J., Mansournezhad, A., Salehnasab, S. Green synthesis of biscoumarin derivatives catalyzed by recyclable CuO-CeO₂nanocomposite catalyst in water,
Research on Chemical Intermediates, 41 (8), **2014**, 5713-572.
91. Grechana O.V., The study of free coumarins in the lant raw material of *Medicago Falcata* L. Subsp. *Romanica* (Prodan) O. Schwarz & Klink –
Вісник фармації, 1 (77) **2014**, 40-43 Издательство: Национальный фармацевтический университет (Харьков) ISSN: 1562-7241.
92. Гречная Е. В. Компоненты Экстракта *Medicago Falcata* L. Subsp. *Romanica* (Prodan) O.

Schwarz & Klink

Напрям 4. Фармацевтична Наука: Сучасність Та МайбутнЄ, 2014, 93-95.

93. Abou-Hussein, A.A., Linert, W. Synthesis, spectroscopic studies and inhibitory activity against bacteria and fungi of acyclic and macrocyclic transition metal complexes containing a triamine coumarine Schiff base ligand,
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 141, **2015**, 223-232.
DOI: 10.1016/j.saa.2015.01.063
94. Filipsky, T., Rika, M., Macakova, M., Anzenbackerova, E., Karlickova, J., Mladenka, P., Antioxidant Effects of Coumarins include Direct Radical Scavenging Metal Chelation and Inhibition of ROS – Producing Enzymes,
Current Topics of Medicinal Chemistry, 15, **2015**, 415-431.
95. Ramagiri, R.K., Vedula, R.R., Thupurani, M.K., A Facile One-Step Multi-Component Approach toward the Synthesis of 3-(2-Amino-4-Thiazolyl)Coumarins by using Trimethylsilyl Isothiocyanate and their Antioxidant and Anti-Inflammatory Activity,
Phosphorus, Sulfur and Silicon and the Related Elements, 190, **2015**, 1393-1397.
96. Pujar, K.K., Kulkarni, M.V., Alawandi, G.N., Anilkumar, G.N., Basanagouda, M., Synthetic and Structural Studies on Novel 4, 3'-Biscoumarins,
Synthetic Communications, 45, **2015**, 2043-2052.
97. Oniszczuk, A., Oniszczuk, T., Wójtowicz, A., Wojtunik, K., Kwaśniewska, A., Waksmundzka-Hajnos, M., Radical scavenging activity of extruded corn gruels with addition of linden inflorescence,
Open Chemistry, 13, **2015**, 1101-1107.
98. Nikpassand, M., Fekri, L.Z., Karimian, L., Rassa, M., Synthesis of biscoumarin derivatives using nanoparticle Fe₃O₄ as an efficient reusable heterogeneous catalyst in aqueous media and their antimicrobial activity,
Current Organic Synthesis, 12, **2015**, 358-362.
99. Badhani, B., Sharma, N., Kakkar, R.; Gallic acid: A versatile antioxidant with promising therapeutic and industrial applications,
RSC Advances, 35, **2015**, 27540-27557.
100. Farhad Shirini, Masoumeh Abedini, Solmaz Zamani, Hadi Fallah Moafi Introduction of W-doped ZnO nanocomposite as a new and efficient nanocatalyst for the synthesis of biscoumarins in water,
Journal of Nanostructure in Chemistry, 5 (1), **2015**, 123–130.
101. Mohammadi, A., F. Golshahi and H. Ghafoori Naphthalene-Based Azo Dyes: Synthesis, Characterization and Dyeing Performance on Polyester Fibers Prog. Color Colorants Coat. 8 , 2015, 317-327 available online @ www.pccc.icrc.ac.ir
102. Naser Montazeri, Vahid Vahabi, Highly efficient and easy synthesis of biscoumarin catalyzed by pentafluoropropionic acid (PFPA) as a new catalyst in aqueous medium,
Bulgarian Chemical Communications, Volume 47, Special Issue D, **2015**, 136 – 139.
103. Costa, M., Dias, T.A., Brito, A., Proenca, F.; Biological importance of structurally diversified chromenes,
European Journal of Medicinal Chemistry, 123: **2016**, 487-507.
104. G. Mazzone, A. Galano, J. R. Alvarez-Idaboy, N.Russo; Coumarin-chalcone hybrids as peroxy radical scavengers:kinetics and mechanisms,
Journal of Chemical Information and Modeling, 56 (4), **2016**, 662–670

DOI:10.1021/acs.jcim.6b00006

105. Е.В.Гречаная, Фармакогностическое Исследование Люцерны Желтой (Серповидной или Румынской) — *Mecicago Falcata L. Subsp. Romanica (Prodan)* O. Schwarz & Klink Запорожский государственный медицинский университет, Запорожье, Украина No 2 (154) **2016**, 24-28 УДК 615.322:582.736.3]:581.1923
106. Fu, D.-J., Song, J., Zhao, R.-H., Liu, Y.-C., Zhang, Y.-B., Liu, H.-M. Synthesis of novel antiproliferative 1,2,3-triazole hybrids using the molecular hybridisation approach *Journal of Chemical Research*, 11, 2016, 674-677, DOI: 10.3184/174751916X14761050193688
107. Mierina, I., Jure, M., Zeberga, S., Makareviciene, V., Zicane, D., Tetere, Z., Ravina, I. Novel type of carbon-centered antioxidants arylmethyl Meldrum's acids – inhibit free radicals, *European Journal of Lipid Science and Technology*, 119 (11), **2017**, art. no. 1700172, DOI: 10.1002/ejlt.201700172.
108. Shirini, F., Lati, M.P. BiVO₄-NPs: an efficient nano-catalyst for the synthesis of biscoumarins, bis(indolyl)methanes and 3, 4-dihydropyrimidin-2(1H)-ones (thiones) derivatives, *Journal of the Iranian Chemical Society*, 14 (1), **2017**, 75-87.
109. Sahar, A., Khan, Z.A., Ahmad, M., Zahoor, A.F., Mansha, A., Iqbal, A. Synthesis and antioxidant potential of some biscoumarin derivatives, *Tropical Journal of Pharmaceutical Research, Open Access*, 16 (1), **2017**, 203-210.
110. Papuc, C., Goran, G.V., Predescu, C.N., Nicorescu, V., Stefan, G. Plant Polyphenols as Antioxidant and Antibacterial Agents for Shelf-Life Extension of Meat and Meat Products: Classification, Structures, Sources, and Action Mechanisms, *Comprehensive reviews in Food Science and Food Safety*, 16 (6), **2017**, 1243-1268, DOI: 10.1111/1541-4337.12298, Published: NOV 2017
111. Ehsan Noroozizadeh, Ahmad Reza Moosavi-Zare, Mohammad Ali Zolfigo, IMahmoud Zarei, Roya Karamian, Mostafa Asadbegy, Siamak Yari, Seyed Hamed, Moazzami Farida, Synthesis of bis-coumarins over acetic acid functionalized poly(4-vinylpyridinium) bromide (APVPB) as a green and efficient catalyst under solvent-free conditions their biological activity, *Journal of the Iranian Chemical Society*, **2017**, 1-11.
112. Sin Hee Park, Moon Ho Do, Jae Hyuk Lee, Sun Yeou Kim, Inhibitory Effect of *Arachis hypogaea* (Peanut) and Its Phenolics against Methylglyoxal-Derived Advanced Glycation End Product Toxicity, *Nutrients*, 9(11), **2017**, 1214, DOI10.3390/nu9111214
113. Achar, G., P Agarwal, K.N. Brinda, J.G. Małecki, Ether and coumarin-functionalized (benz)imidazolium salts and their silver(I)-N-heterocyclic carbene complexes: Synthesis, characterization, crystal structures and antimicrobial studies, *Journal of Organometallic Chemistry*, 854, **2018**, 64-75.
114. Esseid Chahrazed, Hamadou Meriem Hadjer, Ameddah Souad, Ahmed Menad, León Francisco, Brouard Ignacio, Marchioni Eric, Benayache Samir, Benayache Fadila, Chemical Constituents and Antioxidant Activity of a Polar Extract from *Pituranthus battandieri* Maire, Available online on www.ijppr.com International Journal of Pharmacognosy and Phytochemical Research, 9(4), **2017**, 559-566, DOI: 10.25258/phyto.v9i2.8129
115. Muhammad Faisal, Aamer Saeeda, Danish Shahzada , Tanzeela Abdul Fattaha, Bhajan Lalb, Pervaiz Ali Channara, Jamaluddin Mahara, Shomaila Saeeda, Parvez Ali Mahesara, Fayaz Ali

Lari, Enzyme inhibitory activities an insight into the structure–Activity relationship of biscoumarin derivatives,
European Journal of Medicinal Chemistry, 141, 2017, 386-403.

Труд 51. Kancheva, V.D., Saso, L., Boranova, P. V., Khan, A., Saroj, M.K., Pandey, M.K., Malhotra, S., Nechev, J.Z., Sharma, S.K., Prasad, A.K., Georgieva, M.B., Joseph, C., De Pass, A.L., Rastogi, R.C., Parmar, V.S.

Structure-activity relationship of dihydroxy-4-methylcoumarins as powerful antioxidants: Correlation between experimental and theoretical data and synergistic effect.

BIOCHIMIE, 92, 9, 2010, 1089-1100, ISSN:0300-9084, SJR:1.183, ISI IF: 3.787

Цитира се в:

116. Kim, G.J., Suh, H.-J., Kim, J.H., Joo, Y.C, Kim, J.-S. Antioxidant Activity of Glyceollins Derived from Soybean Elicited with Aspergillus Sojai, J. Agric. Food Chem., 58 (22), 2010, 11633-11638.
117. Vazquez, R., Riveiro, M. E., Vermeulen, M., Mondilio, C., Coombes, P.H., Crouch, N.R., Ismail, F., Mulholland, D.A., Baldi, A., Shayo, C., Davio, C., Toddaculin, C. Natural Coumarins from Toddalia Asiatica, Induces Differentiation and Apoptosis in U-937 Leukemic Cells Phytomedecine, 19 (8-9), 2012, 737-746.
118. Najafi, M., Najafi, M., Najafi, H. DFT/B3LYP Study of the Substituent Effects on the Reaction Enthalpies of the Antioxidant Mechanisms of Sesamol Derivatives in the Gas Phase and Water, Canadian Journal of Chemistry, 90 (10), 2012, 915-926.
119. Najafi, M., Najafi, M., Najafi, H. DFT/B3LYP Study to Investigate the Possible Ways for the Synthesize of Antioxidants with High Efficiency Based on Vitamin E. Bulletin of the Korean Chemical Society , 33 (10), 2012, 3343-3348.
120. Najafi, M., Najafi, M., Najafi, H. DFT/B3LYP Study of the Substituent Effects on the Reaction Enthalpies of the Antioxidant Mechanisms of Indole-3-Carbinol Derivatives in the Gas-phase and Water, Computational and Theoretical Chemistry, 999 , 2012, 34-42.
121. M.Najafi, M.Najafi, H.Najafi, DFT/B3LYP Study of the Substituent Effects on the Reaction Enthalpies of the Antioxidant Mechanisms of Magnolol Derivatives in the Gas-phase and Water, Bulletin of the Korean Chemical Society, 33 (11), 2012, 3607-3617.
122. Guha, S., Dutta, M., Das, M. Multipurpose Applications of Coumarin Derivatives with Special Emphasis on the Fluorescent Probes, Journal of the Indian Chemical Society, 89 (12) , 2012, 1603-1632.
123. Cieśla, S., Kowalska, I., Oleszek, W., Stochmal, A. Free Radical Scavenging Activities of Polyphenolic Compounds Isolated from Medicago Sativa and Medicago Truncatula Assessed by Means of Thin-layer Chromatography DPPH Rapid Test, Phytochemical Analysis 24 (1) , 2013, 47-52.
124. Najafi, M., Najafi, M., Najafi, H. Theoretical Study of the Substitution Effects on the Reaction Enthalpies of the Antioxidant Mechanisms of Stobadine Derivatives in the Gas-Phase and Water. Journal of Theoretical and Computational Chemistry, 12 (2), 2013, art. No 1250116.
125. Bubols. G.B., da Rocha Vianna, D., Medina-Remon, A., von Poser, G., Lamuela-Raventos, R.M., Eifler-Lima, V.L., Garcia, S.C. The Antioxidant Activity of Coumarins and Flavonoids,

- Mini-Review in Medicinal Chemistry, 13 (3), **2013**, 318-334.
126. Najafi, M., Farmanzadeh, D., Klein, E., Zahedi, M. A Theoretical Study on the Enthalpies of Homolytic and Heterolytic N-H Bond Cleavage in Substituted Melatonin in the Gas-Phase and Aqueous Solutions.
Acta Chimica Slovenica, 60 (1), **2013**, 43-55.
127. Bandgar, B.P., Adsul, L.K., Lonikar, S.V., Chavan, H.V., Shringare, S.N., Patil, S.A., Jalde, S.S., Kotti, B.A., Dhole, N.A., Gacce, R.N., Shirule, A. Synthesis of Novel Carbazone Chalcones as Radical Scavengers, Antimicrobial and Cancer Chemopreventive Agents.
Journal of Enzyme Inhibition and Medecinal Chemistry, 28 (3), **2013**, 593-600.
128. Obreshkova, D., Reactive oxygen species induced neurodegeneration in Alzheimer's disease, Pharmacia, 60 (1), **2013**, 71-82.
129. Liu, X.-C., Lin, W., Wang, H.-Y., Huang, Z.-B., Shi, D.-Q., Improved and efficient synthesis of chromeno[4, 3-d]pyrazolo [3, 4-b]pyridin-6(3H)-ones and their fluorescence properties, Journal of Heterocyclic Chemistry 51 (4), **2014**, 1036-1044.
130. Николова, Г., „Протектиращ ефект на синтетични и природни антиоксиданти срещу оксидативен стрес, предизвикан от болестта Паркинсон и нейната терапия“ Дисертация, Тракийски Университет, Стара Загора, **2014** г.
131. Filipsky, T., Riha, M., Macakova, K., Anzenbacherova, E., Karlickova, J., Mladenka, P., Antioxidant Effects of Coumarins Include Direct Radical Scavenging Metal Chelation and Inhibition of ROS-producing Enzymes,
Current Topics of Medicinal Chemistry, 15, **2015**, 415-431.
132. Xia, Y.-L., Ge, G.-B., Wang, P., Liang, S.-C., He, Y.-Q., Ning, J., Qian, X.-K., Li, Y., Yang, L.; Structural Modifications at the C-4 Position Strongly Affect the Glucuronidation of 6, 7-Dihydroxycoumarins,
Drug Metabolism and Disposition, 43, **2015**, 553-560.
133. Jin, P.-P., Liu, X.-C., Liu, D.-Q., Huang, Z.-B., Shi, D.-Q., An efficient synthesis of chromen[4, 3-d]isoxazolo[5, 4-b]pyridin-6-one derivatives,
Journal of Heterocyclic Chemistry, 52, **2015**, 1625-1630.
134. Lin, W., Zheng, Y., Wang, Y., Shi, D. An efficient synthesis of functionalized chromeno[4, 3-d]pyrazolo[3, 4-b]pyridine derivatives,
Heterocycles, 92 (12), **2016**, 2235-2243.
135. Ozkan Danis, Serap Demir, Cihan Gunduz, Mustafa Muhlis Alparslan, Selcuk Altun, Basak Yuces-Dursun, Synthesis of selected 3- and 4-arylcoumarin derivatives and evaluation as potent antioxidants,
Research on Chemical Intermediates, 42 (6), **2016**, 6061-6077.
136. Dhiman, P., Malik, N., Khatkar, A., Kulharia, M. Antioxidant, xanthine oxidase and monoamine oxidase inhibitory potential of coumarins: A review
Current Organic Chemistry, 21 (4), **2017**, 294-304.
137. Sahar, A. Khan, Z.A., Ahmad, M., Zahoor, A.F., Mansha, A., Iqbal, A. Synthesis and antioxidant potential of some biscoumarin derivatives,
Tropical Journal of Pharmaceutical Research, 16 (1), **2017**, 203-210 Open Access
138. Zhao, Z.-F., Wang, K., Guo, F.-F., Lu, H. Inhibition of T24 and RT4 human bladder cancer cell lines by heterocyclic molecules
Medical Science Monitor, 23, **2017**, 1156-1164. Open Access.
139. Srikrishna, D., Kumar Dubey, P. PEG-600 mediated one-pot reaction of 3-acetyl-2: H -

chromen-2-one with heterylthiols and phenylthioureas using tetrabutylammonium tribromide as an efficient green reagent,
New Journal of Chemistry, 41 (12), 2017, 5168-5175.

140. Chervin, J., Perio, P., Martins-Froment, N., Pharkeovilay, Ch., Reybier, K., Nepveu, F., Fabre, N., Talou, Th., Bonzon-Ponnet, V., Marti, G. Dereplication of natural products from complex extracts by regression analysis and molecular networking: case study of redox-active compounds from *Viola alba* subsp. *Dehnhardtii*,
Metabolomics 13 (8), 2017, 1-12; DOI 10.1007/s11306-017-1227-6

Труд 52. **Vasil'ev, R.F., Kancheva, V.D., Fedorova, G.F., Batovska, D.I., Trofimov, A.V.**

Antioxidant activity of chalcones: The chemiluminescence determination of the reactivity and the quantum chemical calculation of the energies and structures of reagents and intermediates,
Kinetics and Catalysis, 51, 4, 2010, 507-515, ISSN:0023-1584 (print version); 1608-3210 (electronic version), DOI:10.1134/S0023158410040087, ISI IF: 0.708 (5 год. IF: 0.807)

Литера се е:

141. Cho, N., J.H. Choi, H. Yang, E.J.Jeong, K.Y.Lee, Y.C.Kim, S.H. Sung; Neuroprotective and Anti-inflammatory Effects of Flavonoids Isolated from *Rhus Verniciflua* in Neuronal HT22 and Microglial BV2Cell Lines.
Food and Chemical Toxicology, 50 (6), 2012, 1940-1945.
- 142 Sen, S., T.S.Eashwari, N.A.Faraoqui, S. Mahashwari, R. Kumar; Invitro Antimicrobial and Antioxidant Activity of Substituted Chalcones,
Der Pharmacia Lettre, 4 (3), 2012, 986-992.
143. Nikolaevskii, A.N., O.P.Kniga, E.I.Khizhan, G.A.Tikhonova, V.V.Vinogradov, A.I.Khizhan, Antioxidant Activity of Hydrazones with Sterically Hindered Phenol Fragments.
Russian Journal of Physical Chemistry A, 86 (12), 2012, 1816-1820.
144. Xue, Y., L.Zhang, Y.Li, D.Yu, Y.Zheng, L.An, X.Gong, Y.Liu, A DFT Study on the Structure and Radical Scavenging Activity of Newly Synthesized Hydroxychalcones.
Journal of Physical Organic Chemistry, 26 (3), 2013, 240-248.
145. Aravind, K., Ganesh, A., Ashok, D., Efficient solvent-free microwave assisted organic synthesis of 1-[2, 4-dihydroxy-5-[3-imidazol-1-yl-3-aryl-propionyl]}-3-aryl-propenone and their antibacterial activity,
Journal of Chemical and Pharmaceutical Research, 5 (6), 2013, 34-39.
146. Janaki, P., Bhadraiah, B., Acharya Nagarjuna, P., Subhashini, N.J.P., Synthesis and antibacterial activity of novel chalcone derivatives of apocynin,
Letters in Drug Design and Discovery, 10 (10), 2013, 923-927.
147. Rusina, I.F., Karpukhin, O.N., Kasaikina, O.T., Chemiluminescent methods for studying inhibited oxidation,
Russian Journal of Physical Chemistry B, 7 (4), 2013, 463-477.
148. Perundevi, T.S., Reuben Jonathan, D., Kothai, S., Synthesis, characterization and antibacterial study of certain copolymers containing bischalcone moiety in the main chain,
International Journal of Pharma and Bio Sciences, 5 (4), 2014, P528-P533.
149. De Oliveira, S., De Souza, G.A., Eckert, C.R., Silva, T.A., Sobral, E.S., Fávero, O.A., Ferreira, M.J.P., Romoff, P., Baader, W.J., Evaluation of antiradical assays used in determining the antioxidant capacity of pure compounds and plant extracts,
Química Nova, 37 (3), 2014, 497-503.

150. Olguin-Albuerne, M., Zaragoza-Campillo, M.A., Moran, J.; Role of reactive oxygen species as signaling molecules in the regulation of physiological process of the nervous system: in:Reactive oxygen species, lipid peroxidation and protein oxidation; Chapter 8, Ed. A.Catala, Nova Sci. Publ., USA , **2015**, 169-204.
151. Gireesh, T.M., Kamble, R.R., Dorababu, A., Somagond, S.M., Sodium perchlorate catalyzed synthesis of 2, 4, 6-trioxotetrahydropyrimidin-5(2H)-ylidene derivatives as antioxidant agents, Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry, **2015**, Volume 54B, 1140-1148.
152. Jhin, C., Hwang, K.T. Adaptive neuro-fuzzy inference system applied qsar with quantum chemical descriptors for predicting radical scavenging activities of carotenoids, *Arch Pharm Res.*, 40 (10), **2017**,1146-1155. doi: 10.1007/s12272-017-0944-8.
153. Rajasekhar, M., Prasad Reddy, T.S.V., Dadhich, A.S., Ram, B., Balram, B., Synthesis, characterisation and antibacterial evaluation of chalcone derivatives linked with 2-trifluoromethyl furan, *Der Pharma Chemica*, 7, **2015**, 177-183.
154. Raut, N.A., Dhore, P.W., Saoji, S.D., Kokare, D.M. Selected Bioactive Natural Products for Diabetes Mellitus (Book Chapter) *Studies in Natural Products Chemistry*, 48, **2016**, 287-322.
155. Kateb, B.A., Hussien, A.A., Baseer, M.A. Spectral studies and antimicrobial screening for some novel chalcones analogues, *International Journal of Current Pharmaceutical Review and Research*, 8 (3), **2016**, 33-37.
156. Asif Mohammad, A Review on Recent Advances and Potential Pharmacological Activities of Versatile Chalcone Molecule, *Chemistry International*, 2(1) , **2016**, 1-18.
157. Fu, D.-J., Song, J., Zhao, R.-H., Liu, Y.-C., Zhang, Y.-B. , Liu, H.-M. Synthesis of novel antiproliferative 1, 2, 3-thiazole hybrids using the molecular hybridisation approach, *Journal of Chemical Research*, 40 (11), **2016**, 674-677.
158. Dong-Jun Fu, Sai-Yang Zhang, Jian Song, Yin-Chao Liu, Li Zhang, Ruo-Han Zhao, Xiao-Lin Zi, Hong-Min Liu, Yan-Bing Zhang, Design and antiproliferative activity of N-heterocycle-chalcone derivatives, *Journal of Chemical Research*, 40, **2016**, 620–623.
159. Muskinja, J., Burmudzija, A., Ratkovic, Z., Ranković, B., Kosanić, M. , Bogdanovic, G.A., Novaković, S.B. Ferrocenyl chalcones with O-alkylated vanilins: synthesis, spectral characterisation, microbiological evaluation, and single-crystal X-ray analysis, *Molecular Chemistry Research*, 25 (9), **2016**, 1744-1753.
160. Zhang, S.-Y., Fu, D.-J., Yue, X.-X., Liu, Y.C., Song, J., Sun, H.H., Liu, H.M., Zhang, Y.B. Design, synthesis and structure-activity relationships of novel chalcone-1, 2, 3-thiazole-azole derivatives as antiproliferative agents, *Molecules*, 21(5), **2016**, Open access, DOI: 10.3390/molecules21050653.
161. Mazzone, G., Galiano, A., Alvarez-Idaboy, J.R., Russo, N. Coumarin-Chalcone Hybrids as Peroxyl Radical Scavengers: Kinetics and Mechanisms, *Journal of Chemical Information and Modeling*, 56 (4), **2016**, 662-670, DOI: 10.1021/acs.jcim.6b00006
162. Fu, D.-J., Zhang, S.-Y., Song, J., Liu, Y.-C., Zhang, L., Zhao, R.-H., Zi, X.-L., Liu, H.-M. , Zhang, Y.-B. Design, synthesis and antiproliferative studies of 1, 2, 3-thiazole-chalcones

Journal of Chemical Research, 40 (10), **2016**, 620-623.

163. Ratković, Z., Muškinja, J., Burmudžija, A., Ranković, B., Kosanić, M., Bogdanović, G.A., Marković, B.S., Nikolić, A., Arsenijević, N., Crossed D Signorcrossed D Signevic, S., Vukićević, R.D.; Dehydrozingerone based 1-acetyl-5-aryl-4-, 5-dihydro-1H-pyrazoles: Synthesis, characterization and anticancer activity, Journal of Molecular Structure; 1109, **2016**, 82-88.
164. Fu, D.-J., Zhang, S.-Y., Liu, Y.-C., Zhang, L., Liu, J.-J., Song, J., Zhao, R.-H., Li, F., Sun, H.-H., Liu, H.-M., Zhang, Y.-B.; Design, synthesis and antiproliferative activity studies of novel dithiocarbamate–chalcone derivates, Bioorganic & Medicinal Chemistry Letters, 26 (16), **2016**, 3918 – 3922.
165. Papuc, C., Goran, G.V., Predescu, C.N., Nicorescu, V., Stefan, G. Plant Polyphenols as Antioxidant and Antibacterial Agents for Shelf-Life Extension of Meat and Meat Products: Classification, Structures, Sources, and Action Mechanisms, Comprehensive Reviews in Food Science and Food Safety, 16 (6), **2017**, 1243-1268. DOI: 10.1111/1541-4337.12298
166. Burmudžija, A., Jovana Muškinja, Ratkovic Zoran, Goran A. Bogdanović Pyrazoline derivatives of acryloyl substituted ferrocenyl ketones: synthesis, antimicrobial activity and structural properties Inorganica Chimica Acta, **2017**, DOI10.1016/j.ica.2017.11.061

Труд 53.

- Gopala Krishna, A.G., Lokesh, B.R., Sugashini, D., **Kancheva, V.D.**
Evaluation of the Antiradical and Antioxidant Properties of Extracts from Indian Red Chili and Black Pepper by in vitro Models.
Bulgarian Chemical Communications, 42, 1, **2010**, 62-69, ISSN:0.324-1100, ISI IF: 0.171

Цитира се в:

167. Rodríguez-Nogales, J.M., J.Vila-Crespo, M.Gómez, Development of a Rapid Method for the Determination of the Antioxidant Capacity in Cereal and Legume Milling Products using the Radical Cation DMPD+, Food Chemistry, 129 (4) **2011**, 1800-1805.
168. Dikilitas, M., M.E.Guldur, A.Deryaoglu, O.Erel; Antioxidant and Oxidant Level of Pepper (*Capsicum annuum* cv."Charlee") Infected with Pepper Mild Mottle Virus, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 39 (2) **2011**, 58-63.
169. Sruthi, D., John Zachariah, T. In vitro antioxidant activity and cytotoxicity of sequential extracts from selected black pepper (*Piper nigrum* L.) varieties and *Piper* species International Food Research Journal, 24 (1), **2017**, 75-85.

Труд 54.

- Kasaikina, O.T., Kartasheva, Z.S., **Kancheva, V.D.**, Yanishlieva, N.V., Totseva, I.R.
Consumption of Quercetin and Rutin in Reactions with Free Radicals.
Bulgarian Chemical Communications, 42, 2, **2010**, 153-161, ISSN:0324-1130, ISI IF: 0.171

Цитира се в:

170. Ho Sely, Study on the Luminescence Behavior of Model Proteins with Active Components of Chinese Medicine and Its Application, Northwestern University, Analytical Chemistry, **2011**, Ph.D., Ref. [84].

171. Bondarev, S.L., Knyukshto, V.N., Fluorescence and Phosphorescence of Rutin, Journal of Luminescence, 142, **2013**, 236 – 240.

Труд 56. Kancheva, V.D.

Phenolic Antioxidants - Radical Scavenging and Chain-Breaking Antioxidant Activity. Comparative Study.
European Journal of Lipid Science and Technology, 111 (11), 2009, 1072-1089
ISSN:1053-1168, ISI IF: 1.831 (5 god. IF: 1.849)

Цитира се в:

172. Omar, K.A., L.Shan, Y.L.Wang, X.Wang; Stabilizing Flaxseed Oil with Individual Antioxidants and their Mixtures.
European Journal of Lipid Science and Technology, 112 (9), **2010**, 1003-1011.
173. Samotyja, U., M.Malechka; Antioxidant Activity of Blackcurrant Seeds Extract and Rosemary Extracts in Soybean Oil,
European Journal of Lipid Science and Technology; 112 (12), **2010**, 1331-1336.
174. Santos, Pedro Manuel da Cunha Catalão Pires, dos Mecanismos de degradação de compostos de relevância biológica por radicais oxidantes
PhD Thesis, Universidade Nova de Lisboa, Faculdade de Ciências e Tecnologia, **2010** URI: <http://hdl.handle.net/10362/7078>,
175. Ghiasi, M. , M. M. Heravi; Quantum Mechanical Study of Antioxidative Ability and Antioxidative Mechanism of Rutin (Vitamin P) in Solution,
Carbohydrate Research, 346 (6), **2011**, 739-744.
- 176.. Kostova, I., S.Bhatia, P.Grigorov, S.Balkansky, V.S.Parmar, A.K.Prasad, L.Saso; Coumarins as Antioxidants, Current Medicinal Chemistry, 18 (25) **2011**, 3929-3951.
177. Илиев, И.М., Дисертация за присъждане на научната степен „Доктор на науките“, Медицински Университет, Фармацевтичен факултет, София, **2011**, 329 стр.
178. Lee, K.-Ha, Cho, Y.-L., Joo, Ch.-G., Joo, Y.-J., Kwon, S.-S., Ahu, S.M., Oh, Su-Jin, Rho, Ho-Sik, Park, C. Study on the antioxidative activities and anti-inflammatory effect of kaempferol and kaempferol rhamnosides,
Journal of the Society of Cosmetic Scientists of Korea, 37 (3), **2011**, 257-264.
179. Raudonè, Lina, Study of Perilla L. species and varieties cultivation, phytochemical composition and biological effect
PhD Thesis, Lithuanian University of Health Sciences, **2011**.
180. Compton, D.L., J.A.Lasio, K.O.Evans; Antioxidant Properties of Feruloyl Glycerol Derivatives; Industrial Crops and Products, 36 (1) **2012**, 217-221.
181. Raudonis, R., L.Jakstas, V.Janulis; Comparative Evaluation of Post-column Free Radical Scavenging and Ferric Reducting Antioxidant Power Assays for Screening of Antioxidants in Strawberries,
Journal of Chromatography A 1233, **2012**, 8-15.
182. Sova, M., Antioxidant and Antimicrobial Activities of Cinnamic Acid Derivatives, Mini-Reviews in Medicinal Chemistry, 12 (8), **2012**, 749-767.
183. Wang, C.-M., X.-L. Pan; DFT Study on Antioxidant Activity of a Model p-Terpenyl Derivative. Jiegou Huaxue, 31 96), **2012**, 894-902.

184. Cho, N., J.H. Choi, h. Yang, E.J.Jeong, K.Y.Lee, Y.C.Kim, S.H. Sung; Neuroprotective and Anti-inflammatory Effects of Flavonoids Isolated from Rhus Verniciflua in Neuronal HT22 and Microglial BV2Cell Lines.
Food and Chemical Toxicology, 50 (6), **2012**, 1940-1945.
185. Laszlo, J.A ., K.O.Evans, D.L.Compton; Preservation of Polyunsaturated Fatty Acyl Glycerides via Intramolecular Antioxidant Coupling,
Chemistry and Physics of Lipids, 165 (5), **2012**, 530-536
186. Carolina Oliveira de Souza, Pricila Veiga-Santos, Janice Izabel Druzian, Natural Ingredients as Additive for Active Antioxidant Food Packaging Food Quality,
Safety and Technology, **2013**, 179-188.
187. Carocho, M., I.C.F.R. Ferreira, A Review of Antioxidants, Prooxidants and Related Controversy; Natural and Synthetic Compounds, Screening and Analysis of Methodologies and Future Perspectives.
Food and Chemical Toxicology, 51 (1), **2013**, 15-25.
188. Koslowska, M., Kowalska, D., Gruczynska, E., Kowalski, B., Effect of Ethanolic Extracts from Marjoram, Thyme and Oregano on theThermooxidative Degradation of Rapeseed Oil.
La Rivista Italiana delle Sostance Grasse, 90 (1), **2013**, 43-48.
189. Sarbu, C., Casoni, D. Comprehensive Evaluation of Biogenic Amines and Related Drugs' Antiradical Activity using Reactive 2, 2'-Diphenyl-1-picrylhydrazyl (DPPH) Radical. Central European Journal of Chemistry, 11 (5), **2013**, 679-688.
190. Santos, P.M.P., Vieira, A.J.S.C., Antioxidising Activity of Cinnamic Acid Derivatives against Oxidative Stress Induced by Oxidising Radicals.
Journal of Physical Organic Chemistry, 26 (5), **2013**, 432-439.
191. Thoo, Y.Y., Abas, F., Lai, O.-M., Ho, C.W., Yin, J., Hedegaard, R.V., Skibsted, L.H., Tan, C.P. Antioxidant Synergism between Ethanolic Centella Asiatica Extracts and alpha-Tocopherol in Model Systems.
Food Chemistry, 138 (2-3), **2013**, 1215-1219.
192. Razzagi-Asl, N., J. Garrido, H. Khazraei, F. Borges, O. Firuzi; Antioxidant Properties of Hydroxy-cinnamic Acids: A Review of Structure-Activity Relationships;
Current Medicinal Chemistry, 20, **2013**, 4436-4450.
193. Pérez-Cruz, F., Villamena, F.A., Zapata-Torres, G., Das, A., Headley, C.A., Quezada, E., Lopez-Alarcon, C., Olea-Azar, C.; Selected hydroxycoumarins as antioxidants in cells: Physicochemical and reactive oxygen species scavenging studies,
Journal of Physical Organic Chemistry 26 (10), **2013**, 773-783.
194. Sova, M., Žižak, Z., Stanković, J.A.A., Prijatelj, M., Turk, S., Juranić, Z.D., Mlinarič-Raščan, I., Gobec, S. Cinnamic acid derivatives induce cell cycle arrest in carcinoma cell lines;
Medicinal Chemistry, 9 (5), **2013**, 633-641.
195. Jaiswal, D., Rai, P.K., Mehta, S., Chatterji, S., Shukla, S., Rai, D.K., Sharma, G., Sharma, B., Khair, S., Watal, G., Role of Moringa oleifera in regulation of diabetes-induced oxidative stress,
Asian Pacific Journal of Tropical Medicine, 6 (6), **2013**, 426-432.
196. Zhang Ang, Study on Antioxidant Properties of Winter Vine-prunings and Their Acitve Phenolic Constituents,
Northwest A & F University, Grape and Wine Studies, **2013**, Ph.D., ref. [46].
197. Xia Chunlian, Design, Synthesis and Biological Evaluation of Caffeoyl Derivatives,

- Zhejiang University of Technology, Applied Chemistry, **2013**, Ph.D., Ref [96].
- 198. Mukwevho, E., Ferreira, Z., Ayeleso, A. Potential role of sulfur-containing antioxidant systems in highly oxidative environments, Review, Molecules, 19 (12), **2014**, 19376-19389.
 - 199. Wojtunik, K.A., Ciesla, L.M., Waksmundzka-Hajnos, M., Model studies on the antioxidant activity of common terpenoid constituents of essential oils by means of the 2, 2-Diphenyl-1-picryl-hydrazyl method, Journal of Agricultural and Food Chemistry, 62 (37), **2014**, 9088-9094.
 - 200. Tantawy, W., Tuning the activity of antioxidants from a chemical point of view, Mini-Reviews in Organic Chemistry, 11 (2), **2014**, 186-224.
 - 201. Srivastava, S.P., Hancsok, J; Fuels and Fuel-Additives, (Book), in Fuels, and Fuel Additives, John Wiley & Sons, Inc, Hoboken, NJ, **2014**, 1-364. doi:10.1002/9781118796214.ch5
 - 202. Sadovnic, Daniela, Tehnologii de obținere a preparatelor antioxidantă și antiradicalice din biomasa algei roșii porphyridium cruentum CNM-AR-01 PhD These, Chișinău, **2014**.
 - 203. Fernanda Roxana Perez Cruz, Estudio de la capacidad antioxidante de derivados de hidroxicumarina en sistemas homogéneos y en modelos de membrana lipídica PhD These, Universidad de Chile, Santiago, Chile **2014**.
 - 204. Goshev, I., Wesselinova, D., Ciz, M., Lojek, A., Petrova, V., Again to the specificity of coumarins, International Journal of Biological & Pharmaceutical Research, 6(7), **2015**, 510-515.
 - 205. Maryam Khavarpour, Ghasem D. Najafpour, Seyedeh Fatemeh Seyedtabar, Seyed Mohammad Vahdat, Phenol removal from industrial wastewater using chitosanimmobilized Pseudomonas Putida, Journal of Applied Chemistry, 9 (32), 2015, 11-16.
 - 206. Khalili, M., Ali Ebrahimzadeh, M., A review on antioxidants and some of their common evaluation methods, Journal of Mazandaran University of Medical Sciences, 24, **2015**, 188-208.
 - 207. Załuski, D., Ciesla, Ł., Janeczko, Z. The structure-activity relationships of plant secondary metabolites with antimicrobial, free radical scavenging and inhibitory activity toward selected enzymes, Studies in Natural Products Chemistry, 45, **2015**, 217-249.
 - 208. Kamal-Eldin, A., Elizabeth Budilarto - Poulin, Tocopherols and tocotrienols as antioxidants for food preservation, In book: Handbook of Antioxidants for Food Preservation, **2015**, 141-159, DOI: 10.1016/B978-1-78242-089-7.00006-3
 - 209. Valuța Ana, Biotehnologia cultivării sursei de antioxidantă –cianobacteria nostoc linckia PhD These, Academia de stiinte a Moldovei, Institut de Microbiologie si Biotehnologie, Chisinau, **2015**.
 - 210. Миле С. Вељовић Хемијска, функционална и сензорна својства пива обогаћеног биолошким активним састојцима грожђа PhD These, Универзитет у Београду, ПОЉОПРИВРЕДНИ ФАКУЛТЕТ, Београд, **2016**.
 - 211. Kittipongpittaya, K., W. Rungjang, Sukarnda Klomlab, Investigation of Using Beijing Grass Extract as a Natural Antioxidant in Edible Oil, King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 9 (1), **2016**, 45-52.

212. Alberti, A., Riethmüller, E., Béni, S., Kéry, A. Evaluation of radical scavenging activity of sempervivum tectorum and corylus avellana extracts with different phenolic composition, Natural Product Communications, 11 (4), **2016**, 469-474.
213. Bahr, H.I., Farouk, S.M. Comparative ameliorative effect of basil oil and Moringa oleifera on lornoxicam-mediated histological and biochemical alterations in albino rat liver, J Veterinar Sci Technol, 7, **2016**, 2-11 <http://dx.doi.org/10.4172/2157-7579.1000309>,
214. Romão, Gabriela Brasil, Estudo in vitro da ação de extrato hidroetanólico de Cordia verbenacea DC. em espécies reativas de oxigênio de *importância biológica* PhD Thesis, Universidade Estadual Paulista "Júlio de Mesquita Filho", **2016**.
215. Usuga Suárez, Alexandra Factores genéticos y componentes bioquímicos del plasma seminal en el Caballo Criollo Colombiano y su relación con la calidad de semen criopreservado. Doctorado thesis (PhD Thesis), Universidad Nacional de Colombia - Sede Medellín., **2017**.
216. Palchoudhuri, S.A, Mukhopadhyay, D.B, Roy, D.S.A, Ghosh, B.C, Das, S.C, Dastidar, S.G.A The antidepressant drug doxepin: A promising antioxidant Asian Journal of Pharmaceutical and Clinical Research, 10 (3), **2017**, 97-102, Open Access.
217. Chen, H., Tan, G., Cao, J., Zhang, G., Yi, P., Yu, P., Sun, Y., Zhang, Z., Wang, Y. Design, synthesis, and biological evaluation of novel tetramethylpyrazine derivatives as potential neuroprotective agents, Chemical and Pharmaceutical Bulletin, 65 (1), **2017**, 56-65.

Труд 57. Denev, R., Kuzmanova, I., Panayotova, Sv., Momchilova, Sv., **Kancheva, V.**, Lokesh, B. *Lipid composition of Indian rice bran oil.* Comptes rendus de l'Académie bulgare des Sciences, 62 (6), **2009**, 709-716, ISSN:1310-1331.. SJR:0.21, ISI IF:0.204 (5 год. IF: 0.284)

Цитира се е:

218. Bernal, J., Mendiola, J.A., Ibáñez, E., Cifuentes, A., Advanced analysis of nutraceuticals, Journal of Pharmaceutical and Biomedical Analysis, 55, **2011**, 758-774.
219. Shirwaikar, A., Parmar, V., Khan, S., The changing face of nutraceuticals – An overview, International Journal of Pharmaceutical and Life Sciences, 2, **2011**, 925-932.
220. Byrdwell, W.C., "Dilute-and-shoot" triple parallel mass spectrometry method for analysis of vitamin D and triacylglycerols in dietary supplements, Analytical and Bioanalytical Chemistry, 401, **2011**, 3317-3334.
221. Moazzami, A.A., Lampi, A.-M., Kamal-Eldin, A., Bioactive Lipids in Cereals and Cereal Products, in: Fruit and Cereal Bioactives: Sources, Chemistry, and Applications, (Eds.: Ö. Tokuşoğlu, C. A Hall III), CRC Press, Taylor & Francis Group, **2011**, 229-252.
222. Burlando, B., Cornara, L., Therapeutic properties of rice constituents and derivatives (*Oryza sativa* L.): A review update, Trends in Food Science and Technology, 40, **2014**, 82-98.
223. Barreira, J.C.M., Ferreira, I.C.F.R., Steroids in natural matrices: Chemical features and bioactive properties, in: Biotechnology of Bioactive Compounds: Sources and Applications (Eds. V.K. Gupta and M.G. Tuohy), John Wiley & Sons, Ltd., Chichester, UK, **2015**, 395-431.
224. Muthal, A.P., Rojatkar, S.R., Deshpande, G.A., Bodhankar, S.L., Validated HPTLC method for

- estimation of γ-oryzanol in rat plasma and its application to pharmacokinetic study, International Journal of Pharmaceutical Research & Applied Sciences, 5 (3), **2016**, 124-131.
225. Khatun, A., Rahman, M., Rahman, M., Hossain, H., Jahan, I.A., Nesa, L., Antioxidant, Antinociceptive and CNS Activities of Viscum orientale and High Sensitive Quantification of Bioactive Polyphenols by UPLC, Frontiers in Pharmacology, 7, **2016**, Article number 176.
226. Muthal, A.P., Rojatkar, S.R., Bodhankar, S.L., Isolation and Structure Determination of 24-Methylenecycloartanyl Ferulate from Indian Rice Bran and Its Quantitative Analysis, Pharmacognosy Magazine, **2016**, Volume 12 (3), Pages S307-S314.
- Труд 58.** Kancheva, V., Tashkova, R., Totseva, I., Handjieva, N.
Antioxidant properties of flavonoid components from *Carthamus lanatus L.* in the bulk lipid phase autoxidation.
Rivista Italiana delle Sostanze Grasse, 84, Stazione Sperimentale per le Industrie, **2007**, 77-86. ISI IF:0.244
Цитира се е:
227. Zhaolin, L., Characterization, Production and Bioactivity of Flavonoids and Volatile Oils from Bamboo Leaves, Beijing Forestry University, Botany, **2009**, Ph.D., ref. [24].
228. Динчев, Др., Химично изследване на стероидни сапонини и флавоноиди в *Tribulus terrestris L.*, Дисертация, Българска академия на науките, София, **2015**.
- Труд 59.** Kancheva, V.D., Dinchev, D., Tsimidou, M., Kostova, I., Nenadis, N.
Antioxidant Properties of *Tribulus Terrestris* from Bulgaria and Radical Scavenging Activity of its Flavonoid Components.
Rivista Italiana delle Sostanze Grasse, 84, **2007**, 210-219, ISSN:0035-6808, ISI IF: 0.244
Цитира се е:
229. Amic, A., B.Lucic, G.Kovacevic, N.Trinajstic, Bond Dissociation Enthalpies Calculated by PM3 Method Confirm Activity Cliffs in Radical Scavenging of Flavonoids. Molecular Diversity, 13(1), **2009**, 27-36.
230. Evstatieva, L., B.Tchorbanov, Complex Investigations of *Tribulus Terrestris L.* for Sustainable Use by Pharmaceutical Industry, Biotechnology and Biotechnology Equipment, 25 (2), **2011**, 2341-47.
231. Илиев, И.М., Дисертация за присъждане на научната степен „Доктор на науките“, Медицински Университет, Фармацевтичен факултет, София, **2011**, 329стр.
- Труд 60.** Spasova, M., Kortenska-Kancheva, V.D., Totseva, I., Ivanova, G., Georgiev, L., Milkova, Ts.
Synthesis of Cinnamoyl and Hydroxy-cinnamoyl Amino Acid Conjugates and Evaluation of their Antioxidant Activity.
J. Peptide Sci., 12, 5, **2006**, 369-375, ISSN:1075-2617, DOI:10.1002/psc.736, ISI IF:1.801 (5 год. IF:1.978)
232. Harun-Or-Rashid, M., N.Karim, M.A.Gafur, Md.Golam Sadik, A.S.M. Anisuzzaman, N.Sugimoto, A.T.M. Zafrul Azam; Isolation and Biological Activities of Chemical Constituents form the Stems of Ipomoea Turpethum, Pakistan Journal of Biological Sciences, 9 (12), **2006**, 2261-2266.

233. Reinke, A.A., J.E.Gestwicki, Structure-Activity Relationships of Amyloid Beta-Aggregation Inhibitors Based on Curcumin: Influence of Linker Length and Flexibility, *Chemical Biology and Drug Design*, 70 (3), **2007**, 206-215.
234. Arlorio, M., M.Lokatelli, F.Travaglia, J.-D.Coisson, E.D.Grosso, A.Minassi, G.Appendino, A.Martelli; Roasting Impact on the Contents of Clovamide (N-caffeoil-L-DOPA) and the Antioxidant Activity of Cocoa Beans (*Theobroma cacao L.*), *Food Chemistry*, 106 (3), **2008**, 967-975.
235. Stankova, I., K.Chuchukov; Hydroxycinnamides of Some Amino Acids and their Antioxidant Activity, *Oxidation Communication*, 31 (4), **2008**, 798-803.
236. Stankova, I., K.Chuchukov, S.Shishkov, K.Kostova, L.Mukova, A.S.Galabov, Synthesis, Antioxidative and Antiviral Activity of Hydroxycinnamic Acid Amides of Thiazole Containing Amino Acid, *Amino Acids*, 37(2), **2009**, 383-388.
237. Kwak, S.-Y., H.-S.Seo, Y.-S.Lee; Synergistic Antioxidative Activities of Hydroxycinnamoyl-Peptides, *Journal of Peptide Science*, 15 (10), **2009**, 634-641.
238. Seo, H.-S., S.-Y.Kwak, Y.-S.Lee; Antioxidative Activities of Histidine Containing Caffeic Acid-Dipeptides, *Bioorganic and Medicinal Chemistry Letters*, 20 (14), **2010**, 4266-4272.
239. Kwak, S.-Y., S.Lee, H.-R.Chi, K.-C.Park, Y.-S.Lee; Dual Effects of Caffeoyl-Amino Acidyl-Hydroxamic Acid as Antioxidant and Depigmenting Agent; *Bioorganic and Medicinal Chemistry Letters*, 21 (8), **2011**, 5155-5168.
240. Kwak, S.-Y., S.Lee, J.-K.Yang, Y.-S.Lee; Antioxidant Activities of Caffeoyl-Proline Dipeptides, *Food Chemistry*, 130 (4), **2012**, 847-852.
241. Sova, M.; Antioxidant and antimicrobial activities of cinnamic acid derivatives, *Mini-Reviews in Medicinal Chemistry* 12 (8) , **2012**, 749-767.
242. Gaglione, M., Malgieri, G., Pacifico, S., Severino, V., D'Abrosca, B., Russo, L., Fiorentino, A., Messere, A.; Synthesis and biological properties of caffeic acid-PNA dimers containing guanine, *Molecules* 18 (8) , **2013**, 9147-9162.
243. Kwak, S.-Y., Yang, J.-K., Choi, H.-R., Park, K.-C., Kim, Y.-B., Lee, Y.-S. ; Synthesis and dual biological effects of hydroxycinnamoyl phenylalanyl/prolyl hydroxamic acid derivatives as tyrosinase inhibitor and antioxidant, *Bioorganic and Medicinal Chemistry Letters* 23 (4), **2013**, 1136-114.
244. Razzagi-Asl, N., J. Garrido, H. Khazraei, F. Borges, O. Firuzi; Antioxidant Properties of Hydroxycinnamic Acids: A Review of Structure-Activity Relationships, *Current Medicinal Chemistry*, 20, **2013**, 4436-4450.
245. Noel, A., Borguet, Y.P., Raymond, J.E., Wooley, K.L., Poly(ferulic acid-co-tyrosine): Effect of the regiochemistry on the photophysical and physical properties en route to biomedical applications, *Macromolecules*, 47 (20), **2014** , 7109-7117.
246. Noel, A., Borguet, Y.P., Raymond, J.E., Wooley, K.L., Poly(carbonate-amide)s derived from bio-based resources: Poly(ferulic acid-co-tyrosine), *Macromolecules* 47 (9), **2014**, 2974-2983.

- 247.** Chochkova, M.G., Georgieva, A.P., Ivanova, G.I., Nikolaeva-Glomb, N; Synthesis and biological activity of hydroxycinnamoyl-containing antiviral drugs; Journal of the Serbian Chem. Soc. 79(5), **2014**, 517-526.
- 248.** J.Kumas; Lipaze-catalysed Solvent-Free Amidation of phenolic acids, Synthetic Commun.: An International Journal for Rapid Communication of Synthetic Organic Chemistry, 45 (5), **2015**, 569-577, DOI: 10.1080/00397911.2014.974611,
- 249.** Kaushik, P., Shakil, N.A., Kumar, J., Singh, B.B., Lipase-catalyzed solvent-free amidation of phenolic acids, Synthetic Communications, 45, **2015**, 569-577.
- 250.** Voynikov, Y., Zheleva-Dimitrova, D., Gevrenova, R., Lozanov, V., Zaharieva, M.M., Tsvetkova, I., Najdenski, H., Yagi, S., Almoulah, N.F., Momekov, G. Hydroxycinnamic acid amide profile of Solanum schimperianum Hochst by UPLC-HRMS, International Journal of Mass Spectrometry, 408, **2016**, 42-50. DOI: 10.1016/j.ijms.2016.08.008
- 251.** Anankabil, A., Bianca Pérez, Jingwen Yang, Chiranjib Banerjee, Zheng Guo A novel array of interface-confined molecules: Assembling natural segments for delivery of multi-functionalities, Journal of Colloid and Interface Science, 508, **2017**, 230-236, DOI10.1016/j.jcis.2017.08.052
- 252.** Monteiro, L.S., Sandra Oliveira, Fátima Paiva-Martins, Patrícia Valentão, Synthesis and preliminary biological evaluation of new phenolic and catecholic dehydroamino acid derivatives, Tetrahedron, 73 (43), **2017**, DOI10.1016/j.tet.2017.09.012, Open access

Труд 62. Kasaikina, O.T., Kancheva, V.D., Maximova, T.V., Kartasheva, Z.S., Vedutenko, V.V., Yanishlieva, N.V., Kondratovich, V.G., Totseva, I.R.
Catalytic Effect of Amphiphilic Compounds on the Lipid Oxidation and Lipid Hydroperoxide Decomposition.
Oxidation Communications, 29, **2006**, 574-584, ISSN:0209-4541, SJR: 0.228, ISI IF: 0.262

Цитата се в:

- 253.** Chen, B., McClements, D.J., Decker, E.A., Minor Components in Food Oils: A Critical Review of their Roles on Lipid Oxidation Chemistry in Bulk Oils and Emulsions, Critical Reviews in Food Science and Nutrition, 51 (10), **2011**, 901-916.
- 254.** Chen, B., McClements, D.J., Decker, E.A., Oxidation in Different Food Matrices: How Physical Structure Impacts Lipid Oxidation in Oil-in-Water Emulsions and Bulk Oils; (Book Chapter) in: Lipid Oxidation: Challenges in Food Systems, **2013**, 129-154; ISBN: 978-098885651-6; 978-098307916-3; DOI: 10.1016/B978-0-9830791-6-3.50006-0
- 255.** Hidalgo, F.J., Zamora, R. Amino Acid Degradations Produced by Lipid Oxidation Products, Critical Reviews in Food Science and Nutrition, 56 (8), **2016**, 1242-1252. DOI: 10.1080/10408398.2012.761173

Труд 65. Fedorova, G. F., Kancheva, V. D., Menshov, V. A., Naumov, V. V., Vasil'ev, R. F., Veprintsev, T. L., Trofimov, A. V., Tsaplev, Y. B., Yablonskaya, O. I.
Exogenous and Endogenous Mediators of Oxygen Metabolism: Alternatives for Chemical and Biological Activity.
Studies in Natural Products Chemistry, **2016**, Chapter 11, 357-385, ISBN:978-0-444-63603,

DOI:doi:10.1016/B978-0-444-63603-4.00011-5, 29

Цитира се в:

256. Sachkova, A.S., Kovel, E.S., Churilov, G.N., Guseynov, O.A., Bondar, A.A., Dubinina, I.A., Kudryasheva, N.S. On mechanism of antioxidant effect of fullerenols, Biochemistry and Biophysics Reports, 9, **2017**, 1-8.

Труд 68. Kancheva, V.D., Kasaikina, O.T.

Lipid oxidation in homogeneous and microheterogeneous media in presence of prooxidants, antioxidants and surfactants. In:

“Lipid Peroxidation”, In Tech. Open Access Publ., 2012, 31-62, ISBN:ISBN: 980-953-307-1

Цитира се в:

257. Волков, В.А., Мисин, В.М, Антиоксиданты, характеристики антиоксидантной активности в „Окисление, окислительный стресс и антиоксиданты“, Международная конференция молодых ученых и VI школа им. Академика Эмануэля, Лекции и тезисы, 1-4 октября 2013, Москва, Новосибирск, Российский Университет дружбы народов, **2013**, 196-211, ISBN: 978-5-209-05252-4
258. Карамалакова, Я., „Комплексна оценка на антиоксидантните свойства на природни и синтетични антиоксиданти като потенциални протектори на противотуморни лекарства“, Дисертация, Тракийски Университет, Стара Загора, **2014** г.
259. Николова, Г., „Протектиращ ефект на синтетични и природни антиоксиданти срещу оксидативен стрес, предизвикан от болестта Паркинсон и нейната терапия“ Дисертация, Тракийски Университет, Стара Загора, **2014** г.
260. BoRa Yi, Mi-Ja Kim, JaeHwan Lee Effects of emulsifier charges on the oxidative stability in oil-in-water emulsions under riboflavin photosensitization, Food Science and Biotechnology, 25(4) **2016**, 1003-1009, DOI 10.1007/s10068-016-0162-z
261. Barroso, M.F., María Alejandra Luna, Fernando Moyano, Patricia Gabriela Molina Study of lipid peroxidation and ascorbic acid protective role in large unilamellar vesicles from a new electrochemical performance, Bioelectrochemistry, December **2017** DOI10.1016/j.bioelechem.2017.12.003

Труд 69. Kancheva, V.D.

Phenolic Antioxidants of Natural Origin – Structure Activity Relationship and their Beneficial Effect on Human Health.

In: “Phytochemicals and Human Health: Pharmacological and Molecular Aspects”, Nova Science Publishers Inc., USA, Chapter 1, **2012**, 1-45, ISBN:978-1-61761-196-4

Цитира се в:

262. Razzagi-Asl, N., J. Garrido, H. Khazraei, F. Borges, O. Firuzi; Antioxidant Properties of Hydroxycinnamic Acids: A Review of Structure-Activity Relationships, Current Medicinal Chemistry, 20, **2013**, 4436-4450.

Труд 75. Tsibranska, I., Seikova, I., Kochanov, R., Kancheva, V., Peev, G.

Perspectives for Integration of Nanofiltration with Solid-Liquid Extraction from Plant Materials..

Nanoscience & Nanotechnology, Section E: Bio-inspired Concepts and Medical Applications,

Eds. E.Balabanova, I.Dragieva, 9, **2009**, 210-212, ISSN:1533-4880

Lumupa ce e:

263. Paun, G., E.Neagu, A.Tache, G.L.Radu and V.Parvulesku, Application of Nanofiltration Process for Concentrationof Poly-phenolic compounds from Geranium Robertianum and Salvia officinalis Extracts,
Chemical and Biochemical Engineering Quarterly, 25 (4), **2011**, 453-460.
264. Taqui, S. U., Fractionation of hydro-ethanolic extracts from grape pomace through membrane processing: the effect of membrane and extracting media on process performance,
Dissertation, Universidade Nova de Lisboa, July, **2014**.