

**2014. Радови у водећим међународним научним часописима категорије М22:**

1. Adaila, K., Milenković, M., Bacchi, A., Cantoni, G., Swart, M., Gruden-Pavlović, M., Milenković, M., Čobeljić, B., Todorović, T., Andelković, K. Synthesis, characterization, DFT calculations, and antimicrobial activity of Pd(II) and Co(III) complexes with the condensation derivative of 2-(diphenylphosphino)benzaldehyde and Girard's T reagent (2014) *Journal of Coordination Chemistry*, 67 (22), pp. 3633-3648. (IF2014 2.012)
2. Bjelaković, M.S., Kop, T.J., Vlajić, M., DorCevie, J., Milić, D.R. Design, synthesis, and characterization of fullerene-peptide-steroid covalent hybrids (2014) *Tetrahedron*, 70 (45), pp. 8564-8570. (IF2014 2.641)
3. Saicic, R.N. Protecting group-free syntheses of natural products and biologically active compounds (2014) *Tetrahedron*, 70 (44), pp. 8183-8218. (IF2014 2.641)
4. Zmejkovski, B.B., Savić, A., Poljarević, J., Pantelić, N., Arancrossed D Signelović, S., Radulović, S., Grgurić-Šipka, S., Kalucrossed D Signerović, G.N., Sabo, T.J. Synthesis, characterization and in vitro antitumor activity of new palladium(II) complexes with (S,S)-R2edda-type esters (2014) *Polyhedron*, 80, pp. 106-111. (IF2014 2.011)
5. Perić, M., Andjelković, L., Zlatar, M., Daul, C., Gruden-Pavlović, M. DFT investigation of the influence of Jahn-Teller distortion on the aromaticity in square-planar arsenic and antimony clusters (2014) *Polyhedron*, 80, pp. 69-80. (IF2014 2.011)
6. Orević, M., Jeremić, D., Kaluerović, G.N., Gómez-Ruiz, S., Anelković, B., Radanović, D., Brčeski, I. Synthesis and spectroscopic properties of large single-crystals of Pb(II), Hg(II) and Sr(II) methanesulfonato 1D coordination polymers Dedicated to Professor Vukadin Leovac on the occasion of his 70th birthday. (2014) *Polyhedron*, 80, pp. 282-289. (IF2014 2.011)
7. Milenković, M., Cantoni, G., Bacchi, A., Spasojević, V., Milenković, M., Sladić, D., Krstić, N., Ancrossed D Andjelković, K. Synthesis, characterization and antimicrobial activity of Pd(II) and Fe(III) complexes with ethyl (2E)-2-[2-(diphenylphosphino)benzylidene] hydrazinecarboxylate (2014) *Polyhedron*, 80, pp. 47-52. (IF2014 2.011)
8. Begović, N., Blagojević, V.A., Ostojić, S.B., Micić, D.M., Filipović, N., Andjelković, K., Minić, D.M. Thermally induced structural transformations of a series of palladium(II) complexes with N-heteroaromatic bidentate hydrazone ligands (2014) *Thermochimica Acta*, 592, pp. 23-30. (IF2014 2.184)
9. Mitic, V., Stankov Jovanovic, V., Dimitrijevic, M., Cvetkovic, J., Simonovic, S., Nikolic Mandic, S. Chemometric analysis of antioxidant activity and anthocyanin content of selected wild and cultivated small fruit from Serbia (2014) *Fruits*, 69 (5), pp. 413-422. (IF2014 0.883)
10. Cvetkovic, M., Ord Strok Signevic, I., Jadranin, M., Vajs, V., Vučkovic, I., Menkovic, N., Milosavljevic, S., Teševic, V. Further amphotericopolides from the surface extracts of amphotericopos complex from Montenegro (2014) *Chemistry and Biodiversity*, 11 (9), pp. 1428-1437. (IF2014 1.515)
11. Zianna, A., Šumar Ristović, M., Hatzidimitriou, A., Papadopoulos, C.D., Lalia-Kantouri, M. Synthesis, thermal analysis, and spectroscopic and structural characterizations of tetrานuclear nickel(II) cubane-type clusters with 2-hydroxybenzaldehydes or 2-hydroxyphenones (2014) *Journal of Thermal Analysis and Calorimetry*, DOI: 10.1007/s10973-014-4035-5 (IF2014 2.042)
12. Jovanovic, P., Jeremic, S., Djokic, L., Savic, V., Radivojevic, J., Maslak, V., Ivkovic, B., Vasiljevic, B., Nikodinovic-Runic, J. Chemoselective biocatalytic reduction of conjugated nitroalkenes: New application for an *Escherichia coli* BL21(DE3) expression strain (2014) *Enzyme and Microbial Technology*, 60, pp. 16-23. (IF2014 2.322)
13. Jovanovic, T., Koruga, Dj., Jovancicevic, B. The electronic structure and vibrational frequencies of the stable C 84 isomer of D2 symmetry: Theory and experiment (2014) *Diamond and Related Materials*, 44, pp. 44-48. (IF2014 1.919)
14. Pavlović, M., Dimitrijević, A., Bezbradica, D., Milosavić, N., Gavrović-Jankulović, M., Šegan, D.,

- Veličković, D. Dual effect of benzyl alcohol on  $\alpha$ -glucosidase activity: Efficient substrate for high yield transglucosylation and non-competitive inhibitor of its hydrolytic activity (2014) Carbohydrate Research, 387 (1), pp. 14-18. (IF2014 1.929)
15. Andjelkovic, I., Stankovic, D., Jovic, M., Markovic, M., Krstic, J., Manojlovic, D., Roglic, G. Microwave-hydrothermal synthesis of TiO<sub>2</sub> and zirconium doped TiO<sub>2</sub> adsorbents for removal of As(III) and As(V) (2014) Journal of Saudi Chemical Society, 19 (4), pp. 429-435. (IF2014 2.523)
  16. Jovanović, V.B., Pavićević, I.D., Takić, M.M., Penezić-Romanjuk, A.Z., Aćimović, J.M., Mandić, L.M. The influence of fatty acids on determination of human serum albumin thiol group (2014) Analytical Biochemistry, 448 (1), pp. 50-57. (IF2014 2.219)
  17. Čobeljić, B., Pevec, A., Turel, I., Spasojević, V., Milčić, M., Mitić, D., Sladić, D., Ancrossed D Signelković, K. Analysis of the structures of the Cu(I) and Cu(II) complexes with 3-acetylpyridine and thiocyanate (2014) Polyhedron, 69, pp. 77-83. (IF2014 2.011)
  18. Nikolic, V., Velickovic, S., Popovic, A. Influence of amine activators and reaction parameters on grafting reaction between polystyrene and starch (2014) Journal of Polymer Research, 21 (2), art. no. 363, DOI: 10.1007/s10965-014-0363-1 (IF2014 1.920)
  19. Dordević, M.M., Jeremić, D.A., Rodić, M.V., Simić, V.S., Brčeski, I.D., Leovac, V.M. Synthesis, structure and biological activities of Pd(II) and Pt(II) complexes with 2-(diphenylphosphino)benzaldehyde 1-adamantoylhydrazone (2014) Polyhedron, 68, pp. 234-240. (IF2014 2.011)
  20. Savić, A., Misirlić-Denčić, S., Dulović, M., Mihajlović-Lalić, L.E., Jovanović, M., Grgurić-Šipka, S., Marković, I., Sabo, T.J. Synthesis, characterization and ROS-mediated cytotoxic action of novel (S,S)-1,3-propanediamine-N,N'-di-2-(3-cyclohexyl)propanoic acid and corresponding esters (2014) Bioorganic Chemistry, 54, pp. 73-80. (IF2014 2.152)
  21. Vujsic, L.V., Antic, D.Z., Vučkovic, I.M., Sekulic, T.L., Tomic, V.T., Mandic, B.M., Teševic, V.V., Curčić, B.P.M., Vajs, V.E., Makarov, S.E. Chemical defense in millipedes (myriapoda, diplopoda): Do representatives of the family blaniulidae belong to the 'quinone' clade? (2014) Chemistry and Biodiversity, 11 (3), pp. 483-490. (IF2014 1.515)
  22. Rajčević, N., Janačković, P., Dodoš, T., Tešević, V., Marin, P.D. Biogeographic variation of foliar n-alkanes of juniperus communis var. saxatilis Pallas from the Balkans (2014) Chemistry and Biodiversity, 11 (12), pp. 1923-1938. (IF2014 1.515)
  23. Lugonja, N.M., Stanković, D.M., Spasić, S.D., Roglić, G.M., Manojlović, D.D., Vrvić, M.M. Comparative Electrochemical Determination of Total Antioxidant Activity in Infant Formula with Breast Milk (2014) Food Analytical Methods, 7 (2), pp. 337-344. (IF2014 1.956)
  24. Raskovic, B., Bozovic, O., Prodanovic, R., Niketic, V., Polovic, N. Identification, purification and characterization of a novel collagenolytic serine protease from fig (Ficus carica var. Brown Turkey) latex (2014) Journal of Bioscience and Bioengineering, 118 (6), pp. 622-627. (IF2014 1.884)
  25. Stojanović, M., Džambaski, Z., Bondžić, B., Aleksić, J., Baranac-Stojanović, M. 4-oxothiazolidines with exocyclic C=C double bond(s): Synthesis, structure, reactions and biological activity (2014) Current Organic Chemistry, 18 (9), pp. 1108-1148. (IF2014 2.157)
  26. Reljic, Z., Zlatovic, M., Savic-Radojevic, A., Pekmezovic, T., Djukanovic, L., Matic, M., Pljesa-Ercegovac, M., Mimic-Oka, J., Opsenica, D., Simic, T. Is increased susceptibility to Balkan endemic nephropathy in carriers of common GSTA1 (\*A/\*B) polymorphism linked with the catalytic role of GSTA1 in ochratoxin a biotransformation? Serbian case control study and in Silico analysis (2014) Toxins, 6 (8), pp. 2348-2362. (IF2014 2.938)
  27. Rajčević, N., Janačković, P., Dodoš, T., Tešević, V., Bojović, S., Marin, P.D. Leaf n-alkanes as characters differentiating coastal and continental Juniperus deltoides populations from the Balkan Peninsula (2014) Chemistry and Biodiversity, 11 (7), pp. 1042-1052. (IF2014 1.515)
  28. Matijević, B.M., Vaštag, D.D., Perišić-Janjić, N.U., Apostolov, S.L., Milčić, M.K., Živanović, L.,

Marinković, A.D. Solvent and structural effects on the UV absorption spectra of N-(substituted phenyl)-2-cyanoacetamides (2014) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 117, pp. 568-575. (IF2014 2.353)

29. Novaković, M., Stanković, M., Vučković, I., Todorović, N., Trifunović, S., Apostolović, D., Mandić, B., Veljić, M., Marin, P., Tešević, V., Vajs, V., Milosavljević, S. Diarylheptanoids from green alder bark and their potential for DNA protection (2014) *Chemistry and Biodiversity*, 11 (6), pp. 872-885. (IF2014 1.515)
30. Stanković, D.M., Škrivanj, S., Savić, N., Nikolić, A.S., Vulić, P., Manojlović, D.D. Application of Novel Zn-Ferrite Modified Glassy Carbon Paste Electrode as a Sensor for Determination of Cd(II) in Waste Water (2014) *Electroanalysis*, 26 (7), pp. 1536-1543. (IF2014 2.138)
31. Carrascoza, F., Zaric, S., Silaghi-Dumitrescu, R. Computational study of protein secondary structure elements: Ramachandran plots revisited (2014) *Journal of Molecular Graphics and Modelling*, 50, pp. 125-133. (IF2014 1.722)
32. Aćimović, J.M., Penezić, A.Z., Pavićević, I.D., Jovanović, V.B., Mandić, L.M. The efficiency of compounds with α-amino-β-mercaptopo-ethane group in protection of human serum albumin carbonylation and cross-linking with methylglyoxal (2014) *Molecular BioSystems*, 10 (8), pp. 2166-2175. (IF2014 3.210)
33. Krstić, N.M., Matić, I.Z., Juranić, Z.D., Novaković, I.T., Sladić, D.M. Steroid dimers - In vitro cytotoxic and antimicrobial activities (2014) *Journal of Steroid Biochemistry and Molecular Biology*, 143, pp. 365-375. (IF2014 3.628)
34. Gazim, Z.C., Rodrigues, F., Amorin, A.C.L., De Rezende, C.M., Sokovic, M., Tešević, V., Vuckovic, I., Krstic, G., Cortez, L.E.R., Colauto, N.B., Linde, G.A., Cortez, D.A.G. New natural Diterpene-Type abietane from *tetradenia riparia* essential oil with Cytotoxic and Antioxidant activities (2014) *Molecules*, 19 (1), pp. 514-524. (IF2014 2.416)
35. Zianna, A., Šumar Ristović, M., Hatzidimitriou, A., Papadopoulos, C.D., Lalia-Kantouri, M. Synthesis, thermal analysis, and spectroscopic and structural characterizations of tetranuclear nickel(II) cubane-type clusters with 2-hydroxybenzaldehydes or 2-hydroxyphenones (2014) *Journal of Thermal Analysis and Calorimetry*, 118 (3), pp. 1431-1440. (IF2014 2.042)
36. Lončar, N., Gligorijević, N., Božić, N., Vujčić, Z. Congo red degrading laccases from *Bacillus amyloliquefaciens* strains isolated from salt spring in Serbia (2014) *International Biodegradation and Biodegradation*, 91, pp. 18-23. (IF2014 2.131)
37. Filipović, N., Grubišić, S., Jovanović, M., Dulović, M., Marković, I., Klisurić, O., Marinković, A., Mitić, D., And Strok Signelković, K., Todorović, T. Palladium(II) complexes with N-heteroaromatic bidentate hydrazone ligands: The effect of the chelate ring size and lipophilicity on in vitro cytotoxic activity (2014) *Chemical Biology and Drug Design*, 84 (3), pp. 333-341. (IF2014 2.485)
38. Božić, N., Slavić, M.Š., Gavrilović, A., Vujčić, Z. Production of raw-starch-digesting α-amylase isoform from *Bacillus* sp. under solid-state fermentation and biochemical characterization (2014) *Bioprocess and Biosystems Engineering*, 37 (7), pp. 1353-1360. (IF2014 1.997)
39. Prokopijevic, M., Prodanovic, O., Spasojevic, D., Stojanovic, Z., Radotic, K., Prodanovic, R. Soybean hull peroxidase immobilization on macroporous glycidyl methacrylates with different surface characteristics (2014) *Bioprocess and Biosystems Engineering*, 37 (5), pp. 799-804. (IF2014 1.997)
40. Andjelkovic, I., Nesic, J., Stankovic, D., Manojlovic, D., Pavlovic, M.B., Jovalekic, C., Roglic, G. Investigation of Sorbents synthesised by mechanical-chemical reaction for sorption of As(III) and As(V) from aqueous medium (2014) *Clean Technologies and Environmental Policy*, 16 (2), pp. 395-403. (IF2014 1.934)
41. Ajaj, I., Markovski, J., Marković, J., Jovanović, M., Milčić, M., Assaleh, F., Marinković, A. Solvent and structural effects in tautomeric 3-cyano-4-(substituted phenyl)-6-phenyl-2(1H)-pyridones: Experimental and quantum chemical study (2014) *Structural Chemistry*, 25 (4), pp. 1257-1270.

(IF2014 1.837)