

### 2013. Радови у водећим међународним научним часописима категорије M22:

1. Bigovic, M., Skaro, S., Maslak, V., Saicic, R.N. Expanding the scope of the indium-promoted allylation reaction: 4-(bromomethyl)-1,3-dioxol-2-one as a synthetic equivalent of a 3-arylhydroxyacetone enolate (2013) *Tetrahedron Letters*, 54 (48), pp. 6624-6626. (IF2013 2.391)
2. Apostolovic, D., Luykx, D., Warmenhoven, H., Verbart, D., Stanic-Vucinic, D., De Jong, G.A.H., Velickovic, T.C., Koppelman, S.J. Reduction and alkylation of peanut allergen isoforms Ara h 2 and Ara h 6; Characterization of intermediate- and end products (2013) *Biochimica et Biophysica Acta - Proteins and Proteomics*, 1834 (12), pp. 2832-2842. (IF2013 3.191)
3. Baranac-Stojanović, M. Cyclic  $\pi$  electron delocalization in fluoroborazines (2013) *Journal of Physical Chemistry A*, 117 (45), pp. 11540-11547. (IF2013 2.775)
4. Poljarević, J.M., Krstić, M.P., Grgurić-Šipka, S., Sovilj, S.P., Mišić, D.R., Sabo, T.J. Platinum(IV) complexes with N-alkylphenothiazines: Synthesis, characterization, and antibacterial activity (2013) *Journal of Coordination Chemistry*, 66 (21), pp. 3760-3769. (IF2013 2.212)
5. Vujčić, M.T., Tufegdžić, S., Novaković, I., Djikanović, D., Gašić, M.J., Sladić, D. Studies on the interactions of bioactive quinone avarone and its methylamino derivatives with calf thymus DNA (2013) *International Journal of Biological Macromolecules*, 62, pp. 405-410. (IF2013 3.096)
6. Sukalovic, V., Bogdan, A.E., Tovilovic, G., Ignjatovic, D., Andric, D., Kostic-Rajacic, S., Soskic, V. N-[[2-(4-phenyl-piperazin-1-yl)-ethyl]-phenyl]-arylamides with dopamine D2 and 5-hydroxytryptamine 5HT1A activity: Synthesis, testing, and molecular modeling (2013) *Archiv der Pharmazie*, 346 (10), pp. 708-717. (IF2013 1.396)
7. Relić, D., Crossed D Signorcrossed D Signević, D., Sakan, S., Ancrossed D Signelković, I., Pantelić, A., Stanković, R., Popović, A. Conventional, microwave, and ultrasound sequential extractions for the fractionation of metals in sediments within the Petrochemical Industry, Serbia (2013) *Environmental Monitoring and Assessment*, 185 (9), pp. 7627-7645. (IF2013 1.679)
8. Rikalovic, M.G., Abdel-Mawgoud, A.M., Déziel, E., Gojgic-Cvijovic, G.D., Nestorovic, Z., Vrvic, M.M., Karadzic, I.M. Comparative analysis of rhamnolipids from novel environmental isolates of *Pseudomonas aeruginosa* (2013) *Journal of Surfactants and Detergents*, 16 (5), pp. 673-682. (IF2013 1.352)
9. Podolski-Renić, A., Jadranin, M., Stanković, T., Banković, J., Stojković, S., Chiourea, M., Aljančić, I., Vajs, V., Tešević, V., Ruždijić, S., Gagos, S., Tanić, N., Pešić, M. Molecular and cytogenetic changes in multi-drug resistant cancer cells and their influence on new compounds testing (2013) *Cancer Chemotherapy and Pharmacology*, 72 (3), pp. 683-697. (IF2013 2.571)
10. Tasic, G., Simic, M., Popovic, S., Husinec, S., Maslak, V., Savic, V. Indirect N-vinylation of indoles via isomerisation of N-allyl derivatives: Synthesis of ( $\pm$ )-debromoarborescidine B (2013) *Tetrahedron Letters*, 54 (34), pp. 4536-4539. (IF2013 2.391)
11. Šarac, Z., Bojović, S., Nikolić, B., Tešević, V., Dević, I., Marin, P.D. Chemotaxonomic significance of the terpene composition in natural populations of *Pinus nigra* J.F. Arnold from Serbia (2013) *Chemistry and Biodiversity*, 10 (8), pp. 1507-1520. (IF2013 1.795)
12. Janjić, G.V., Ninković, D.B., Zarić, S.D. Influence of supramolecular structures in crystals on parallel stacking interactions between pyridine molecules (2013) *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, 69 (4), pp. 389-394. (IF2013 2.095)
13. Jovic, M.S., Manojlovic, D., Stanković, D.M., Milić, A., Sentić, M., Roglić, G. Volta metric behavior of mesotrione using silver/amalgam electrode (2013) *International Journal of Environmental Research*, 7 (1), pp. 165-172. (IF2013 1.818)
14. Ivanović, I., Gligorijević, N., Arandelović, S., Radulović, S., Roller, A., Keppler, B.K., Tešić, Ž.L.,

- Grgurić-Šipka, S. New ruthenium(II)-arene complexes bearing hydrazides and the corresponding (thio)semicarbazones of 3- and 4-acetylpyridine: Synthesis, characterization, crystal structure determination and antiproliferative activity (2013) *Polyhedron*, 61, pp. 112-118. (IF2013 2.047)
15. Čobeljić, B., Pevec, A., Turel, I., Swart, M., Mitić, D., Milenković, M., Marković, I., Jovanović, M., Sladić, D., Jeremić, M., Anđelković, K. Synthesis, characterization, DFT calculations and biological activity of derivatives of 3-acetylpyridine and the zinc(II) complex with the condensation product of 3-acetylpyridine and semicarbazide (2013) *Inorganica Chimica Acta*, 404, pp. 5-12. (IF2013 2.041)
  16. Jovanović, V.B., Penezić-Romanjuk, A.Z., Pavićević, I.D., Aćimović, J.M., Mandić, L.M. Improving the reliability of human serum albumin-thiol group determination (2013) *Analytical Biochemistry*, 439 (1), pp. 17-22. (IF2013 2.305)
  17. Filipović, N., Borna, M., Klisurić, O., Pregelj, M., Jagodić, M., An Cross Dsign Elković, K., Todorović, T. Synthesis, characterization, and thermal behavior of Cu(II) and Zn(II) complexes with (E)-2-[N'-(1-pyridin-2-yl-ethylidene)hydrazino]acetic acid (aphaOH) Crystal structure of [Zn<sub>2</sub>(aphaO)<sub>2</sub>Cl<sub>2</sub>] (2013) *Journal of Coordination Chemistry*, 66 (9), pp. 1549-1560. (IF2013 2.212)
  18. Tasic, G., Randjelovic, J., Vusurovic, N., Maslak, V., Husinec, S., Savic, V. A highly regioselective, protecting group controlled, synthesis of bicyclic compounds via Pd-catalysed intramolecular cyclisations (2013) *Tetrahedron Letters*, 54 (18), pp. 2243-2246. (IF2013 2.391)
  19. Andjelkovic, I., Manojlovic, D., Skrivanj, S., Pavlovic, B.M., Amaizah, N.R., Roglic, G. As(III) and as(V) sorption on MnO<sub>2</sub> synthesized by mechano-chemical reaction from aqueous phase (2013) *International Journal of Environmental Research*, 7 (2), pp. 395-402. (IF2013 1.818)
  20. Pejcin, B., Iodice, C., Bogdanović, G., Kojić, V., Tešević, V. Stictic acid inhibits cell growth of human colon adenocarcinoma HT-29 cells (2013) *Arabian Journal of Chemistry*, DOI: 10.1016/j.arabjc.2013.03.003 (IF2013 2.684)
  21. Nikolić, B., Tešević, V., Bojović, S., Marin, P.D. Chemotaxonomic implications of the n-alkane composition and the nonacosan-10-ol content in picea omorika, pinus heldreichii, and pinus peuce (2013) *Chemistry and Biodiversity*, 10 (4), pp. 677-686. (IF2013 1.795)
  22. Ostafe, R., Prodanovic, R., Commandeur, U., Fischer, R. Flow cytometry-based ultra-high-throughput screening assay for cellulase activity (2013) *Analytical Biochemistry*, 435 (1), pp. 93-98. (IF2013 2.305)
  23. Novaković, M., Stanković, M., Vučković, I., Todorović, N., Trifunović, S., Tešević, V., Vajs, V., Milosavljević, S. Diarylheptanoids from alnus glutinosa bark and their chemoprotective effect on human lymphocytes DNA (2013) *Planta Medica*, 79 (6), pp. 499-505. (IF2013 2.339)
  24. Ramanantoanina, H., Gruden-Pavlovic, M., Zlatar, M., Daul, C. Density functional theory study of the multimode Jahn-Teller problem in the fullerene anion (2013) *International Journal of Quantum Chemistry*, 113 (6), pp. 802-807. (IF2013 1.166)
  25. Stefanovic, J., Jakovljevic, D., Gojgic-Cvijovic, G., Lazic, M., Vrvic, M. Synthesis, characterization, and antifungal activity of nystatin-gum arabic conjugates (2013) *Journal of Applied Polymer Science*, 127 (6), pp. 4736-4743. (IF2013 1.640)
  26. Andjelković, L., Gruden-Pavlović, M., Daul, C., Zlatar, M. The choice of the exchange-correlation functional for the determination of the jahn-teller parameters by the density functional theory (2013) *International Journal of Quantum Chemistry*, 113 (6), pp. 859-864. (IF2013 1.166)
  27. Nikolić, B., Tešević, V., Dordević, I., Todosijević, M., Jadranin, M., Bojović, S., Marin, P.D. Variability of n-alkanes and nonacosan-10-ol in natural populations of Picea omorika (2013) *Chemistry and Biodiversity*, 10 (3), pp. 473-483. (IF2013 1.795)
  28. Matic, I.Z., Aljančić, I., Žižak, Ž., Vajs, V., Jadranin, M., Milosavljević, S., Juranić, Z.D. In vitro antitumor actions of extracts from endemic plant Helichrysum zivojinii (2013) *BMC Complementary*

and Alternative Medicine, 13, art. no. 36, DOI: 10.1186/1472-6882-13-36 (IF2013 1.877)

29. Aćimović, J.M., Jovanović, V.B., Srećković, V.D., Penezić Romanjuk, A.Z., Mandić, L.M. Monitoring of the human serum albumin carbonylation level through determination of guanidino group content (2013) *Analytical Biochemistry*, 433 (2), pp. 162-167. (IF2013 2.305)
30. Lugonja, N., Spasić, S.D., Laugier, O., Nikolić-Kokić, A., Spasojević, I., Oreščanin-Dušić, Z., Vrvčić, M.M. Differences in direct pharmacologic effects and antioxidative properties of mature breast milk and infant formulas (2013) *Nutrition*, 29 (2), pp. 431-435. (IF2013 3.046)
31. Milenković, M., Bacchi, A., Cantoni, G., Radulović, S., Gligorijević, N., Arandelović, S., Sladić, D., Vujčić, M., Mitić, D., Andelković, K. Synthesis, characterisation and biological activity of Co(III) complex with the condensation product of 2-(diphenylphosphino)benzaldehyde and ethyl carbazate (2013) *Inorganica Chimica Acta*, 395, pp. 33-43. (IF2013 2.041)
32. Amaizah, N.R., Cakmak, D., Saljnikov, E., Roglic, G., Kokovic, N., Manojlovic, D. Effect of waste Al-phosphate on soil and plant (2013) *Plant, Soil and Environment*, 59 (3), pp. 130-135. (IF2013 1.113)
33. Božinović, N., Opsenica, I., Šolaja, B.A. Double palladium-catalyzed synthesis of azepines (2013) *Synlett*, 24 (1), pp. 49-52. (IF2013 2.463)
34. Miljević, C., Nikolić-Kokić, A., Nikolić, M., Niketić, V., Spasić, M.B., Lečić-Toševski, D., Blagojević, D. Effect of atypical antipsychotics on antioxidant enzyme activities in human erythrocytes (in vitro study) (2013) *Human Psychopharmacology*, 28 (1), pp. 1-6. (IF2013 1.854)
35. Stankovic, N., Senerovic, L., Bojic-Trbojevic, Z., Vuckovic, I., Vicovac, L., Vasiljevic, B., Nikodinovic-Runic, J. Didehydroroflomycoin pentaene macrolide family from *Streptomyces durmitorensis* MS405T: Production optimization and antimicrobial activity (2013) *Journal of Applied Microbiology*, 115 (6), pp. 1297-1306. (IF2013 2.386)
36. Trajkovic, M., Ferjancic, Z., Saicic, R.N. Formal synthesis of (-)-oseltamivir phosphate (2013) *Synthesis (Germany)*, 45 (3), art. no. SS-2012-T0851-OP, pp. 389-395. (IF2013 2.443)
37. Rajčević, N., Janačković, P.S.S., Bojović, S.S.S., Tešević, V., Marin, P.D. Variability of the needle essential oils of *Juniperus deltoides* R.P. Adams from different populations in Serbia and Croatia (2013) *Chemistry and Biodiversity*, 10 (1), pp. 144-156. (IF2013 1.795)