

2015. Радови у међународним научним часописима категорије M23:

1. Jakovljević, V.D., Vrvic, M.M. Potential of *Penicillium cyclopium* westling for removing of anionic surfactants and biotechnology (2015) *Applied Biochemistry and Microbiology*, 51 (6), pp. 704-711. (IF2014 0.735)
2. Andjelković, L., Gruden-Pavlović, M., Zlatar, M. Density functional theory study of the multimode Jahn-Teller problem in the open-shell corannulenes and coronenes (2015) *Chemical Physics*, 460, pp. 64-74. (IF2014 1.652)
3. Rančić, M., Trišović, N., Milčić, M., Jovanovic, M., Jovanovic, B., Marinkovic, A. Linear free-energy relationships applied to the ¹³C NMR chemical shifts in 4-substituted N-[1-(pyridine-3- and -4-yl)ethylidene]anilines (2015) *Journal of Heterocyclic Chemistry*, 51 (5), pp. 1442-1451. (IF2014 0.787)
4. Vujovic, D., Pejcin, B., Popovic Djordjevic, J., Velickovic, M., Tesevic, V. Phenolic natural products of the wines obtained from three new Merlot clone candidates (2015) *Natural Product Research*, 4 p. DOI: 10.1080/14786419.2015.1079191 (IF2014 0.919)
5. Salihović, M., Osmanović, A., Špirtović-Halilović, S., Roca, S., Meščić, A., Vujisić, L., Trifunović, S., Završnik, D., Sofić, E. Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl)pyrimidine (2015) *Journal of Molecular Structure*, 1091, art. no. 21376, pp. 170-176. (IF2014 1.602)
6. Stojadinović, S., Kostić, A., Nytoft, H.P., Stojanović, K. Applicability of Calculated Vitrinite Reflectance for Assessment of Source Rock's Organic Matter Maturity in Hyperthermal Basins (Banat Depression, Serbia) (2015) *Petroleum Chemistry*, 55 (6), pp. 444-454. (IF2014 0.420)
7. Marzo, T., Savić, A., Massai, L., Michelucci, E., Sabo, T.J., Grguric-Šipka, S., Messori, L. Reactions of cytotoxic metalodrugs with lysozyme in pure DMSO explored through UV-Vis absorption spectroscopy and ESI MS (2015) *BioMetals*, 28 (2), pp. 425-430. (IF2014 2.503)
8. Katanić, J., Mihailović, V., Stanković, N., Boroja, T., Mladenović, M., Solujić, S., Stanković, M.S., Vrvic, M.M. Dropwort (*Filipendula hexapetala* Gilib.): Potential role as antioxidant and antimicrobial agent (2015) *EXCLI Journal*, 14, pp. 1-20. (IF2014 0.857)
9. Gavrilović, T.V., Jovanovic, D.J., Lojpur, V., Nikolić, A., Dramićanin, M.D. Influence of Er³⁺/Yb³⁺-concentration ratio on the down-conversion and up-conversion luminescence and lifetime in GdVO₄Er³⁺/Yb³⁺-microcrystals (2015) *Science of Sintering*, 47 (2), pp. 221-228. (IF2014 0.575)
10. Janačković, P., Novaković, J., Soković, M., Vujisić, L., Giweli, A.A., Stevanović, Z.D., Marin, P.D. Composition and antimicrobial activity of essential oils of *Artemisia judaica*, *A. Herba-Alba* and *A. arborescens* from Libya (2015) *Archives of Biological Sciences*, 67 (2), pp. 455-466. (IF2014 0.718)
11. Djordjević Filijović, N., Antonijević, M.D., Pavlović, A., Vučković, I., Nikolić, K., Agbaba, D. The stress stability of olanzapine: Studies of interactions with excipients in solid state pharmaceutical formulations (2015) *Drug Development and Industrial Pharmacy*, 41 (3), pp. 502-514. (IF2014 2.101)
12. Popovic-Djordjevic, J.B., Vitnik, V.D., Vitnik, Ž.J., Ivanovic, M.D. Glutarimides: Biological activity, general synthetic methods and physicochemical properties [Glutarimidi: Biološka aktivnost, opšti postupci za sintezu i fizičko-hemijske karakteristike] (2015) *Hemijska Industrija*, 69 (5), pp. 523-536. (IF2014 0.364)
13. Kekez, B.D., Gojgic-Cvijovic, G.D., Jakovljevic, D.M., Stefanovic Kojic, J.R., Markovic, M.D., Beskoski, V.P., Vrvic, M.M. High Levan Production by *Bacillus licheniformis* NS032 Using Ammonium Chloride as the Sole Nitrogen Source (2015) *Applied Biochemistry and Biotechnology*, 175 (6), pp. 3068-3083. (IF2014 1.735)
14. Waisi, H., Kosović, A., Krstić, D., Milojković-Opsenica, D., Nikolić, B., Dragičević, V., Trifković, J. Polyphenolic profile of maize seedlings treated with 24-epibrassinolide (2015) *Journal of Chemistry*, 2015, art. no. 976971, DOI: 10.1155/2015/976971 (IF2014 0.772)

15. Mandić, B.M., Vlajić, M.D., Trifunović, S.S., Simić, M.R., Vujšić, L.V., Vučković, I.M., Novaković, M.M., Nikolić-Mandić, S.D., Tešević, V.V., Vajs, V.V., Milosavljević, S.M. Optimisation of isolation procedure for pyrrolizidine alkaloids from *Rindera umbellata* Bunge (2015) *Natural Product Research*, 29 (9), pp. 887-890. (IF2014 0.919)
16. Rašković, B., Babić, N., Korać, J., Polović, N. Evidence of β -sheet structure induced kinetic stability of papain upon thermal and sodium dodecyl sulfate denaturation (2015) *Journal of the Serbian Chemical Society*, 80 (5), pp. 613-625. (IF2014 0.871)
17. Popovic, A., Relic, D., Djordjevic, D. Trace and major elements in Ash of "Nikola Tesla A" Power Plant (III) - Associations of elements in passive cassette Ash (2015) *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, 37 (14), pp. 1487-1494. (IF2014 0.386)
18. Božinović, N., Novaković, I., Rajačić, S.K., Opsenica, I.M., Šolaja, B.A. Synthesis and antimicrobial activity of azepine and thiepine derivatives (2015) *Journal of the Serbian Chemical Society*, 80 (7), pp. 839-852. (IF2014 0.871)
19. Popovic, A., Djordjevic, D. Trace and major elements in ash of "nikola tesla a" Power plant dump (I)-leached concentrations and environmental implications (2015) *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, 37 (11), pp. 1224-1232. (IF2014 0.386)
20. Perunović, T., Stojanović, K., Kašanin-Grubin, M., Šajnović, A., Simić, V., Jovančićević, B., Brčeski, I. Geochemical investigation as a tool in the determination of the potential hazard for soil contamination (Kremna Basin, Serbia) (2015) *Journal of the Serbian Chemical Society*, 80 (8), pp. 1087-1099. (IF2014 0.871)
21. Perušković, D.S., Darić, B., Blagus, A., Stevanović, N.R., Pavlović, A.V., Lolić, A.D., Baošić, R.M. Influence of organic modifiers on RP-TLC determination of lipophilicity of some polydentate Schiff bases (2015) *Monatshefte für Chemie*, 146 (1), pp. 1-6. (IF2014 1.222)
22. Tosti, T., Šegan, S., Milić, D., Radoičić, A., Tešić, Z., Milojković-Opsenica, D. Estimation of Lipophilicity of Some Polyoxygenated Steroids by the Means of Normal-Phase Thin-Layer Chromatography (2015) *Journal of Liquid Chromatography and Related Technologies*, 38 (11), pp. 1097-1103. (IF2014 0.606)
23. Barać, N., Škrivanj, S., Bukumirić, Z., Barać, M., Manojlović, D., Petrović, R., Ćorac, A. Arsenic in Agricultural Soils of a Historically Mined and Industrial Region of Southern Serbia and Northern Kosovo: Bioavailability and Uptake by Plants Species *Zea mays* L. and *Solanum tuberosum* L. (2015) *Soil and Sediment Contamination*, 24 (6), pp. 656-674. (IF2014 1.039)
24. Jovanović, M., Gruden-Pavlović, M., Zlatović, M. Stabilizing non-covalent interactions of ligand aromatic moieties and proline in ligand-protein systems (2015) *Monatshefte für Chemie*, 146 (2), pp. 389-397. (IF2014 1.222)
25. Kanjevac, T.V., Milovanović, M.Z., Milošević-Djordjević, O., Tešić, Ž., Ivanović, M., Lukić, A. Cytotoxicity of glass ionomer cement on human exfoliated deciduous teeth stem cells correlates with released fluoride, strontium and aluminum ion concentrations (2015) *Archives of Biological Sciences*, 67 (2), pp. 619-630. (IF2014 0.718)
26. Andjelković, L., Perić, M., Zlatar, M., Gruden-Pavlović, M. Nucleus-independent chemical shift profiles along the intrinsic distortion path for Jahn-Teller active molecules. Study on the cyclopentadienyl radical and cobaltocene (2015) *Journal of the Serbian Chemical Society*, 80 (7), pp. 877-888. (IF2014 0.871)
27. Grba, N., Neubauer, F., Šajnović, A., Stojanović, K., Jovančićević, B. Heavy metals in Neogene sedimentary rocks as a potential geogenic hazard for sediment, soil, and surface and groundwater contamination (eastern Posavina and the Lopare Basin, Bosnia and Herzegovina) (2015) *Journal of the Serbian Chemical Society*, 80 (6), pp. 827-838. (IF2014 0.871)
28. Cvetkovic, J.S., Mitic, V.D., Stankov-Jovanovic, V.P., Dimitrijevic, M.V., Nikolic-Mandic, S.D. Elemental Composition of Wild Edible Mushrooms from Serbia (2015) *Analytical Letters*, 48 (13), pp. 2107-2121. (IF2014 1.030)

29. Tomašević, B., Trivić, D. Chemistry curricular knowledge of secondary school teachers (2015) *Journal of the Serbian Chemical Society*, 80 (3), pp. 435-452. (IF2014 0.871)
30. Mihajlović-Ialić, L.E., Savić, A., Braan, G., Sabo, T.J., Grgurić-Šipka, S. Novel methylene bridged ethylenediamine-type ligands: Synthesis and spectral characterization (2015) *Journal of the Serbian Chemical Society*, 79 (10), pp. 1199-1204. (IF2014 0.871)
31. Mitic, V., Stankov-Jovanovic, V., Cvetkovic, J., Dimitrijevic, M., Ilic, M., Nikolic-Mandic, S. Application of multivariate statistical approach to identify element sources in parsley (*Petroselinum crispum*) (2015) *Toxicological and Environmental Chemistry*, 97 (6), pp. 754-765. (IF2014 0.825)
32. Popovic, A., Djordjevic, D., Relic, D. Associations and pollution potential of selected trace and major elements in filter lignite ash - Statistical analysis (2015) *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, 37 (9), pp. 987-996. (IF2014 0.386)
33. Doković, N., Mitrović, D., Životić, D., Španić, D., Troskot-čOrbić, T., Cvetković, O., Stojanović, K. Preliminary organic geochemical study of lignite from the Smederevsko Pomoravlje field (Kostolac Basin, Serbia) - Reconstruction of geological evolution and potential for rational utilization (2015) *Journal of the Serbian Chemical Society*, 80 (4), pp. 575-588. (IF2014 0.871)
34. Rikalović, M.G., Vrvić, M.M., Karadžić, I.M. Rhamnolipid biosurfactant from *Pseudomonas aeruginosa* - From discovery to application in contemporary technology (2015) *Journal of the Serbian Chemical Society*, 80 (3), pp. 279-304. (IF2014 0.871)
35. Urošević, I., Nikićević, N., Stanković, L., Anđelković, B., Urošević, T., Kristić, G., Tešević, V. Influence of yeast and nutrients on the quality of apricot brandy (2015) *Journal of the Serbian Chemical Society*, 79 (10), pp. 1223-1234. (IF2014 0.871)
36. Popovic, A., Djordjevic, D. Trace and major elements in ash of "Nikola Tesla A" power plant dump (II)-associations of elements in active cassette ash (2015) *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, 37 (12), pp. 1291-1299. (IF2014 0.386)
37. Milovanović, I.N., Stanojković, T.P., Stajić, M.M., Brčeski, I.D., Knežević, A.Z., Čilerdžić, J.L.J., Vukojević, J.B. Effect of Selenium enrichment of *lenzites betulinus* and *trametes hirsuta* mycelia on antioxidant, antifungal and cytostatics potential (2015) *Current Pharmaceutical Biotechnology*, 16 (10), pp. 920-926. (IF2014 1.950)