

2014. Радови у међународним научним часописима категорије М23:

1. Stanojević, M., Trifković, J., Kostić-Rajačić, S., Šoškić, V., Tešić, Z., Milojković-Opsenica, D. Assessment of lipophilicity of some biologically active arylpiperazines by rptlc and multivariate analysis (2014) Journal of Liquid Chromatography and Related Technologies, 37 (20), pp. 2814-2828. (IF2014 0.606)
2. Pavićević, I.D., Jovanović, V.B., Takić, M.M., Penezić, A.Z., Aćimović, J.M., Mandić, L.M. Fatty acids binding to human serum albumin: Changes of reactivity and glycation level of Cysteine-34 free thiol group with methylglyoxal (2014) Chemico-Biological Interactions, 224, pp. 42-50. (IF2014 2.577)
3. Jakovljević, V.D., Milićević, J.M., Stojanović, J.D., Solujić, S.R., Vrvić, M.M. Antioxidant activity of ethanolic extract of *Penicillium chrysogenum* and *Penicillium fumiculosum* [Antioksidativna aktivnost etanolnog ekstrakta *Penicillium chrysogenum* i *Penicillium fumiculosum*] (2014) Hemijska Industrija, 68 (1), pp. 43-49. (IF2014 0.364)
4. Spasojević, D., Prokopijević, M., Prodanović, O., Pirtea, M.G., Radotić, K., Prodanović, R. Immobilization of chemically modified horseradish peroxidase within activated alginate beads [Imobilizacija hemijski modifikovane peroksidaze iz rena unutar aktiviranih alginatnih kuglica] (2014) Hemijska Industrija, 68 (1), pp. 117-122. (IF2014 0.364)
5. Pejin, B., Nakarada, D., Novakovic, M., Tesevic, V., Savic, A., Radotic, K., Mojovic, M. Antioxidant volatiles of the freshwater bryozoan *Hyalinella punctata* (2014) Natural Product Research, DOI: 10.1080/14786419.2014.905565 (IF2014 0.919)
6. Rančić, M., Trišović, N., Milčić, M., Jovanović, M., Jovanović, B., Marinković, A. Linear free-energy relationships applied to the ¹³C NMR chemical shifts in 4-substituted N-[1-(pyridine-3- and -4-yl)ethylidene]anilines (2014) Journal of Heterocyclic Chemistry, DOI: 10.1002/jhet.1752 (IF2014 0.787)
7. Perušković, D.S., Stevanović, N.R., Lolić, A.D., Baošić, R.M. Correlation between structure, retention and lipophilicity of some antidepressants: Qsrr and qsar studies (2014) Letters in Drug Design and Discovery, 11 (2), pp. 162-168. (IF2014 0.770)
8. Jovanovic, T., Koruga, D., Jovancicevic, B. Advances in chromatographic separation on Al₂O₃ and spectroscopic characterization of the higher fullerenes (2014) Fullerenes Nanotubes and Carbon Nanostructures, 22 (4), pp. 384-396. (IF2014 0.836)
9. Štrbac, S., Šajnović, A., Budakov, L., Vasić, N., Kašanin-Grubin, M., Simonović, P., Jovančićević, B. Metals in the sediment and liver of four fish species from different trophic levels in Tisza River, Serbia (2014) Chemistry and Ecology, 30 (2), pp. 169-186. (IF2014 1.047)
10. Jovanović, V.B., Aćimović, J.M., Srećković, V.S.D., Mandić, L.M. How the sialylation level of serum N-acetyl-β-D-glucosaminidase a form in type 1 diabetes mellitus influences their activity? (2014) Journal of the Serbian Chemical Society, 79 (12), pp. 1491-1503. (IF2014 0.871)
11. Tešević, V., Aljančić, I., Vajs, V., Živković, M., Nikićević, N., Urošević, I., Vujisić, L. Development and validation of an LC- MS/MS method with a multiple reactions monitoring mode for the quantification of vanillin and syringaldehyde in plum brandies (2014) Journal of the Serbian Chemical Society, 79 (12), pp. 1537-1543. (IF2014 0.871)
12. Rančić, S.M., Bojić, A.L., Nikolić-Mandić, S.D. Analytical application of the reaction system methylene blue B-K₂S₂O₈ for the spectrophotometric kinetic determination of silver in citric buffer media [Analitička primena reakcionog sistema metilen-plavo B-K₂S₂O₈ za spektrofotometrijsko kinetičko određivanje srebra u citratnom puferu] (2014) Hemijska Industrija, 68 (4), pp. 429-434. (IF2014 0.364)
13. Jakovljević, V.D., Milićević, J.M., Stojanović, J.D., Vrvić, M.M. The ability of fungus *Mucor racemosus* Fresenius to degrade high concentration of detergent [Sposobnost gljive *Mucor racemosus* Fresenius da razlaže detergent u velikoj koncentraciji] (2014) Chemical Industry and Chemical Engineering Quarterly, 20 (4), pp. 587-595. (IF2014 0.892)

14. Gašić, U., Šikoparija, B., Tosti, T., Trifković, J., Milojković-Opsenica, D., Natić, M., Tešić, Ž. Phytochemical fingerprints of lime honey collected in Serbia (2014) *Journal of AOAC International*, 97 (5), pp. 1259-1267. (IF2014 1.120)
15. Strbac, S., Gajica, G., Sajnovic, A., Vasic, N., Stojanovic, K., Jovancicevic, B. The use of biological markers in the determination of the origin and type of organic matter in the sediments of the Tisza River (2014) *Journal of the Serbian Chemical Society*, 79 (5), pp. 597-612. (IF2014 0.871)
16. Dragutinović, V.V., Tatić, S.B., Nikolić-Mandić, S.D., Tripković, T.M., Dunderović, D.M., Paunović, I.R. Copper as ancillary diagnostic tool in preoperative evaluation of possible papillary thyroid carcinoma in patients with benign thyroid disease (2014) *Biological Trace Element Research*, 160 (3), pp. 311-315. (IF2014 1.748)
17. Vučković, I., Vujišić, L., Todosijević, M., Stešević, D., Milosavljević, S., Trifunović, S. Volatile constituents of different plant parts and populations of *Malabaila aurea* Boiss. from Montenegro (2014) *Records of Natural Products*, 8 (2), pp. 148-155. (IF2014 0.868)
18. Bjelaković, M., Kop, T., Baošić, R., Zlatović, M., Žekić, A., Maslak, V., Milić, D. Electrochemical, theoretical, and morphological studies of antioxidant fullerosterooids (2014) *Monatshefte für Chemie*, 145 (11), pp. 1715-1725. (IF2014 1.222)
19. Mrkic, I., Abughren, M., Nikolic, J., Andjelkovic, U., Vassilopoulou, E., Sinaniotis, A., Petersen, A., Papadopoulos, N.G., Gavrovic-Jankulovic, M. Molecular characterization of recombinant Mus a 5 allergen from banana fruit (2014) *Molecular Biotechnology*, 56 (6), pp. 498-506. (IF2014 1.876)
20. Trendafilova, A., Todorova, M., Genova, V., Shestakova, P., Dimitrov, D., Jadranin, M., Milosavljevic, S. New pseudoguaiane derivatives from *Inula aschersoniana* Janka var. *aschersoniana* (2014) *Natural Product Communications*, 9 (8), pp. 1123-1124. (IF2014 0.906)
21. Senčanski, M., Ivanović, M.D., Došen-Mićović, L. Modelling of ORL1 receptor-ligand interactions (2014) *Chemical Papers*, 68 (10), pp. 1305-1316. (IF2014 1.468)
22. Zarić, B., Petrović, S., Bjekić, M., Rajić, I., Popović, A., Dordević, D. Analysis of human exhaled breath in a population of young volunteers (2014) *Archives of Biological Sciences*, 66 (4), pp. 1529-1538. (IF2014 0.718)
23. Perunović, T., Stojanović, K., Kašanin-Grubin, M., Šajnović, A., Simić, V., Jovančićević, B., Brčeski, I. Geochemical investigation as a tool in determining of the potential hazard for soil contamination (Kremna Basin, Serbia) (2014) *Journal of the Serbian Chemical Society*, 79 (11), pp. 1-22. (IF2014 0.871)
24. Aćimović, M.G., Oljača, S.I., Tešević, V.V., Todosijević, M.M., Djisalov, J.N. Evaluation of caraway essential oil from different production areas of Serbia (2014) *Horticultural Science*, 41 (3), pp. 122-130. (IF2014 0.586)
25. Savić, A., Baroud, A.A., Grgurić-Šipka, S. The new ruthenium(II)-bipyridyl complex with O,O'-diethyl-(S,S)-ethylenediamine-N,N'-di-2-(3-cyclohexyl)propanoate: Synthesis and characterization (2014) *Macedonian Journal of Chemistry and Chemical Engineering*, 33 (1), pp. 59-64. (IF2014 0.533)
26. Šukalović, V., Šoškić, V., Ignjatović, D., Andrić, D., Penjišević, J., Kostić-Rajacic, S. Investigation of key interactions between the second extracellular loop of the dopamine D2 receptor and several hydroxy-N-[{2-(4-phenylpiperazin-1-yl)ethyl}phenyl]- Nicotinamides (2014) *Journal of the Serbian Chemical Society*, 79 (12), pp. 1461-1467. (IF2014 0.871)
27. Jakovljević, V.D., Milićević, J.M., Stojanović, J.D., Solujić, S.R., Vrvić, M.M. The influence of detergent and its components on metabolism of *Fusarium oxysporum* in submerged fermentation [Uticaj detergenta i njegovih komponenti na metabolizam *Fusarium oxysporum* u submerznoj fermentaciji] (2014) *Hemiska Industrija*, 68 (4), pp. 465-473. (IF2014 0.364)
28. Grba, N., Neubauer, F., Šajnović, A., Stojanović, K., Jovančićević, B. Heavy metals in Neogene sedimentary rocks as a potential geogenic hazard for sediment, soil, surface and groundwater contamination (eastern Posavina and Lopare Basin, Bosnia and Herzegovina) (2014) *Journal of the*

Serbian Chemical Society, 79 (11), pp. 1-16. (IF2014 0.871)

29. Filipović, N.R., Marković, I., Mitić, D., Polović, N., Milčić, M., Dulović, M., Jovanović, M., Savić, M., Nikšić, M., Andelković, K., Todorović, T. A Comparative Study of In Vitro Cytotoxic, Antioxidant, and Antimicrobial Activity of Pt(II), Zn(II), Cu(II), and Co(III) Complexes with N-heteroaromatic Schiff Base (E)-2-[N'-(1-pyridin-2-yl-ethylidene)hydrazino]acetate (2014) Journal of Biochemical and Molecular Toxicology, 28 (3), pp. 99-110. (IF2014 1.925)
30. Gligorijević, N., Stevanović, N., Lončar, N., Baošić, R., Vujčić, Z., Božić, N. A thin layer chromatographic comparison of raw and soluble starch hydrolysis patterns of some α -amylases from *Bacillus* sp. isolated in Serbia (2014) Journal of the Serbian Chemical Society, 79 (4), pp. 411-420. (IF2014 0.871)
31. Radović, D.I., Lazarević, K.B., Trifković, J.D., Andrić, F.L., Tešić, Ž.L., Andelković, I.B., Nedić, N.M., Stanimirović, Z., Stevanović, J., Čurčić, B.P.M., Milojković-Opsenica, D.M. GIS technology in regional recognition of the distribution pattern of multifloral honey: The chemical traits in Serbia (2014) Archives of Biological Sciences, 66 (2), pp. 935-946. (IF2014 0.718)
32. Šumar Ristović, M., Minić, D.M., Blagojević, V., Andelković, K. Kinetics of multi-step processes of thermal degradation of Co(II) complex with N-benzoyloxycarbonylglycinato Ligand. deconvolution of DTG curves (2014) Science of Sintering, 46 (1), pp. 37-53. (IF2014 0.575)
33. Filipović, N., Polović, N., Rašković, B., Misirlić-Denčić, S., Dulović, M., Savić, M., Nikšić, M., Mitić, D., Ancrossed D Signelković, K., Todorović, T. Biological activity of two isomeric N-heteroaromatic selenosemicbazones and their metal complexes (2014) Monatshefte für Chemie, 145 (7), pp. 1089-1099. (IF2014 1.222)
34. Pejin, B., Nakarada, D., Novakovic, M., Tesevic, V., Savic, A., Radotic, K., Mojovic, M. Antioxidant volatiles of the freshwater bryozoan *Hyalinella punctata* (2014) Natural product research, 28 (18), pp. 1471-1475. (IF2014 0.919)
35. Vasić, V.P., Penjišević, J.Z., Novaković, I.T., Šukalović, V.V., Andrić, D.B., Kostić-Rajačić, S.V. Synthesis and biological evaluation of 5-substituted derivatives of benzimidazole (2014) Journal of the Serbian Chemical Society, 79 (3), pp. 277-282. (IF2014 0.871)
36. Perunović, T., Stojanović, K., Simić, V., Kašanin-Grubin, M., Šajnović, A., Erić, V., Schwarzbauer, J., Vasić, N., Jovančićević, B., Brčeski, I. Organic geochemical study of the lower miocene Kremna Basin, Serbia (2014) Annales Societatis Geologorum Poloniae, 84 (3), pp. 185-212. (IF2014 0.633)
37. Marcetic, M., Petrovic, S., Milenkovic, M., Vujisic, Lj., Tesevic, V., Niketic, M. Composition and antimicrobial activity of root essential oil of Balkan endemic species *Eryngium palmatum* (2014) Chemistry of Natural Compounds, 49 (6), pp. 1140-1142. (IF2014 0.509)
38. Growth temperature of different local isolates of *Bacillus* sp. In the solid state affects production of raw starch digesting amylases (2014) Archives of Biological Sciences, 66 (2), pp. 483-490. (IF2014 0.718)
39. Kovačević, G., Blažić, M., Draganić, B., Ostafe, R., Gavrović-Jankulović, M., Fischer, R., Prodanović, R. Cloning, heterologous expression, purification and characterization of M12 mutant of *Aspergillus niger* glucose oxidase in yeast *Pichia pastoris* KM71H (2014) Molecular Biotechnology, 56 (4), pp. 305-311. (IF2014 1.876)
40. Kozarski, M.S., Klaus, A.S., Nikšić, M.P., Van Griensven, L.J.L.D., Vrvić, M.M., Jakovljević, D.M. Polysaccharides of higher fungi: Biological role, structure and antioxidative activity [Polisaharidi viših glijiva: Biološka uloga, struktura i antioksidativna aktivnost] (2014) Hemijska Industrija, 68 (3), pp. 305-320. (IF2014 0.364)
41. Marinkovic, A., Mijin, D., Mirkovic, J., Maslak, V., Kappe, C.O. A microwave approach to the synthesis of certain 4-(substituted phenyl)-6-phenyl-3-cyano-2-pyridones (2014) Journal of the Serbian Chemical Society, 79 (7), pp. 759-765. (IF2014 0.871)
42. Grba, N., Šajnović, A., Stojanović, K., Simić, V., Jovančićević, B., Roglić, G., Erić, V. Preservation of

diagenetic products of β -carotene in sedimentary rocks from the Lopare Basin (Bosnia and Herzegovina) (2014) *Chemie der Erde - Geochemistry*, 74 (1), pp. 107-123. (IF2014 1.269)

43. Zec, M., Srđić-Rajić, T., Krivokuća, A., Janković, R., Todorović, T., Andelković, K., Radulović, S. Novel selenosemicarbazone metal complexes exert anti-tumor effect via alternative, caspase-independent Necroptotic cell death (2014) *Medicinal Chemistry*, 10 (8), pp. 759-771. (IF2014 1.363)
44. Štrbac, S., Šajnović, A., Kašanin, G.M., Vasić, N., Dojčinović, B., Simonović, P., Jovančićević, B. Metals in sediment and phragmites Australis (common reed) from tisza river, Serbia (2014) *Applied Ecology and Environmental Research*, 12 (1), pp. 105-122. (IF2014 0.557)
45. 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 (2014) *Journal of the Serbian Chemical Society*, 79 (11), pp. 1-30. (IF2014 0.871)
46. Radovanović, A.N., Jovančićević, B.S., Radovanović, B.C., Mihajilov-Krstev, T. Antimicrobial effectiveness of selected Vranac wines against six Gram-positive and six gram-negative bacterial strains (2014) *Tropical Journal of Pharmaceutical Research*, 13 (5), pp. 819-824. (IF2014 0.589)
47. Pantelić, N., Zmejkovski, B.B., Stanojković, T.P., Jevtić, V.V., Radić, G.P., Trifunović, S.R., Kaluderović, G.N., Sabo, T.J. Synthesis and high in vitro cytotoxicity of some (S,S)-ethylenediamine-N, N'-di-2-propanoate dihydrochloride esters (2014) *Journal of the Serbian Chemical Society*, 79 (6), pp. 649-658. (IF2014 0.871)
48. Nešić, J., Manojlović, D.D., Jovic, M., Dojcinovic, B.P., Vulic, P.J., Krstic, J., Roglic, G.M. Fenton-like oxidation of an azo dye using mesoporous Fe/TiO₂ catalysts prepared by a microwave-assisted hydrothermal process (2014) *Journal of the Serbian Chemical Society*, 79 (8), pp. 977-991. (IF2014 0.871)
49. Ferjančić, Z., Matović, R., Bihelović, F. Diastereoselective addition of alkenylchromium(III) reagents to Garner's aldehyde. The Nozaki-Hiyama-Kishi coupling approach to sphingosines and ceramides (2014) *Journal of the Serbian Chemical Society*, 79 (6), pp. 627-636. (IF2014 0.871)