

2012. Радови у међународним научним часописима категорије М23:

1. Rabtti, E.H.M.A., Natić, M.M., Milojković-Opsenica, D.M., Trifković, J.D., Tost, T., Vučković, I.M., Vajs, V., Tešić, Z.L. Quantitative structure-toxicity relationship study of some natural and synthetic coumarins using retention parameters (2012) *Journal of the Serbian Chemical Society*, 77 (10), pp. 1443-1456. (IF2012 0.912)
2. Dordević, M., Jeremić, D., Andelković, K., Gruden-Pavlović, M., Divjakovic, V., Ristovic, M.S., Brčeski, I. Cobalt(II) and cadmium(II) compounds with adamantane-1-sulfonic acid (2012) *Journal of the Serbian Chemical Society*, 77 (10), pp. 1391-1399. (IF2012 0.912)
3. Vulić, T., Nikićević, N., Stanković, L., Veličković, M., Todosijević, M., Popović, B., Urošević, I., Stanković, M., Beraha, I., Tešević, V. Chemical and sensorial characteristics of fruit spirits produced from different black currant (*Ribes nigrum* L.) and red currant (*Ribes rubrum* L.) cultivars (2012) *Macedonian Journal of Chemistry and Chemical Engineering*, 31 (2), pp. 217-227. (IF2012 0.821)
4. Natić, M., Dabić, D., Milojković-Opsenica, D., Dojčinović, B., Roglić, G., Manojlović, D., Tešić, Ž. Development and validation of a simple thin-layer chromatographic method for the analysis of p-chlorophenol in treated wastewater (2012) *Journal of the Serbian Chemical Society*, 77 (11), pp. 1649-1659. (IF2012 0.912)
5. Opsenica, D.M., Šolaja, B.A. Artemisinins and synthetic peroxides as highly efficient antimalarials (2012) *Macedonian Journal of Chemistry and Chemical Engineering*, 31 (2), pp. 137-182. (IF2012 0.821)
6. Ferjančić, Z., Matović, R., Saičić, R.N. Synthetic studies towards D-modified paclitaxel analogues (2012) *Journal of the Serbian Chemical Society*, 77 (11), pp. 1529-1539. (IF2012 0.912)
7. Lolić, A., Tripković, T., Baošić, R., Nikolić-Mandić, S., Stanimirović, B. Development of a flow injection method with amperometric detection for the indirect determination of copper in drinking water samples (2012) *Journal of the Serbian Chemical Society*, 77 (11), pp. 1641-1647. (IF2012 0.912)
8. Kremenovic, A., Bozanic, D.K., Welsch, A.-M., Jancar, B., Nikolic, A.S., Boskovic, M., Colomban, Ph., Fabian, M., Antic, B. Effects of Eu³⁺ concentration on structural, optical and vibrational properties of multifunctional Ce_{1-x}EuxO_{2-δ} nanoparticles synthesized by thermolysis of 2,4-pentanedione complexes (2012) *Journal of Nanoscience and Nanotechnology*, 12 (12), pp. 8893-8899. (IF2012 1.149)
9. Stankov-Jovanović, V.P., Mitić, V.D., Ilić, M.D., Mandić, L.M., Nikolić-Mandić, S.D. Enzymatic kinetic method for determination of propranolol hydrochloride in pharmaceuticals based on its inhibitory effect on cholinesterase [Enzimska Kinetička Metoda Za Određivanje Propranolol-Hidrohlorida U Farmaceutskim Preparatima Zasnovana Na Njegovom Inhibitorskom Delovanju Na Holinesterazu] (2012) *Hemiska Industrija*, 66 (5), pp. 677-684. (IF2012 0.463)
10. Sencanski, M.V., Sukalovic, V.B., Dosen-Micovic, L.I., Soskic, V., Andric, D.B., Roglic, G.M., Kostic-Rajacic, S.V. Modeling interactions of α1a adrenergic receptor and different arylpiperazine ligands (2012) *Digest Journal of Nanomaterials and Biostructures*, 7 (4), pp. 1761-1777. (IF2012 1.092)
11. Pejin, B., Tommonaro, G., Iodice, C., Tesevic, V., Vajs, V., De Rosa, S. A new lichen depsidone from *Lobaria pulmonaria* (2012) *Digest Journal of Nanomaterials and Biostructures*, 7 (4), pp. 1663-1666. (IF2012 1.092)
12. Selaković, Z., Opsenica, D., Eaton, B., Retterer, C., Bavari, S., Burnett, J.C., Šolaja, B.A., Panchal, R.G. A limited structural modification results in a significantly more efficacious diazachrysene-based filovirus inhibitor (2012) *Viruses*, 4 (8), pp. 1279-1288. (IF2012 2.509)
13. Prodanovic, O., Prokopijevic, M., Spasojevic, D., Stojanovic, Ž., Radotic, K., Knežević-Jugovic, Z.D., Prodanovic, R. Improved covalent immobilization of horseradish peroxidase on macroporous glycidyl methacrylate-based copolymers (2012) *Applied Biochemistry and Biotechnology*, 168 (5), pp. 1288-1301. (IF2012 1.893)

14. Mitrović, T., Stamenković, S., Cvetković, V., Nikolić, M., Baošić, R., Mutić, J., Andelković, T., Bojić, A. Epiphytic lichen *Flavoparmelia caperata* as a sentinel for trace metal pollution (2012) *Journal of the Serbian Chemical Society*, 77 (9), pp. 1301-1310. (IF2012 0.912)
15. Dragutinović, V.V., Tatić, S.B., Nikolić-Mandić, S., Savin, S., Cvejić, D., Duncrossed D Signerović, D., Gajić, M., Paunović, I. Matrix metalloproteinase-9 and the Cu/Zn ratio as ancillary diagnostic tools in distinguishing between the classical and follicular variants of papillary thyroid carcinoma (2012) *Biological Trace Element Research*, 149 (1), pp. 29-33. (IF2012 1.307)
16. Stojanović, K., Životić, D., Šajnović, A., Cvetković, O., Nytoft, H.P., Scheeder, G. Drmno lignite field (Kostolac Basin, Serbia): Origin and palaeoenvironmental implications from petrological and organic geochemical studies (2012) *Journal of the Serbian Chemical Society*, 77 (8), pp. 1109-1127. (IF2012 0.912)
17. Ognjenović, J., Tantoush, Z.O., Jankov, R., Veličković, T.Ć., Vukmirica, J. Isolation of functional total RNA from *Tilia cordata* leaves and pollen (2012) *Journal of the Serbian Chemical Society*, 77 (8), pp. 1003-1012. (IF2012 0.912)
18. Pejin, B., Tommonaro, G., Iodice, C., Tesevic, V., Vajs, V. Acetylcholinesterase inhibition activity of acetylated depsidones from *Lobaria pulmonaria* (2012) *Natural Product Research*, 26 (17), pp. 1634-1637. (IF2012 1.031)
19. Godevac, D., Vujisic, L., Vuckovic, I., Vajs, V., Sokovic, M., Marin, P.D., Teševic, V. Composition and antimicrobial activity of the essential oil from *Galatella linosyris* (L.) Rchb. f. (Asteraceae) (2012) *Journal of the Serbian Chemical Society*, 77 (5), pp. 619-626. (IF2012 0.912)
20. Pejin, B., Glamoclija, J., Ciric, A., Radotic, K., Vajs, V., Tesevic, V., Hegedis, A., Karaman, I., Horvatovic, M., Sokovic, M. Antimicrobial activity of the freshwater bryozoan *Hyalinella punctata* (Hancock, 1850) (2012) *Digest Journal of Nanomaterials and Biostructures*, 7 (3), pp. 1021-1026. (IF2012 1.092)
21. Amaizah, N.R., Čakmak, D., Saljnikov, E., Roglić, G., Mrvić, V., Krgović, R., Manojlović, D. Fractionation of soil phosphorus in a long-term phosphate fertilization (2012) *Journal of the Serbian Chemical Society*, 77 (7), pp. 971-981. (IF2012 0.912)
22. Mitić, V., Nikolić-Mandić, S., Stankov-Jovanović, V. Analytical application of acidic victoria blue 4R mixture with KBrO 3 for the kinetic determination of traces of antimony(III) by spectrophotometry (2012) *Macedonian Journal of Chemistry and Chemical Engineering*, 31 (1), pp. 29-37. (IF2012 0.821)
23. Tešević, V., Vajs, V., Lekić, S., Dordević, I., Novaković, M., Vujisić, L., Todosijević, M. Lipid composition and antioxidant activities of the seed oil from three malvaceae species (2012) *Archives of Biological Sciences*, 64 (1), pp. 221-227. (IF2012 0.791)
24. Novaković, I., Penjišević, J., Šukalović, V., Andrić, D., Roglić, G., Kostić-Rajacić, S. Investigation of antibacterial activity of cinnamyl derivatives of arylpiperazine (2012) *Archives of Biological Sciences*, 64 (1), pp. 15-20. (IF2012 0.791)
25. Pejin, B., Bianco, A., Newmaster, S., Sabovljevic, M., Vujisic, Lj., Tesevic, V., Vajs, V., De Rosa, S. Fatty acids of *Rhodobryum ontariense* (Bryaceae) (2012) *Natural Product Research*, 26 (8), pp. 696-702. (IF2012 1.031)
26. Pavlović, R., Grujić, M., Dojnov, B., Vujčić, M., Nenadović, V., Ivanović, J., Vujčić, Z. Influence of nutrient substrates on the expression of cellulases in *Cerambyx cerdo* L. (Coleoptera: Cerambycidae) larvae (2012) *Archives of Biological Sciences*, 64 (2), pp. 757-766. (IF2012 0.791)
27. Dragutinović, V., Vrvić, M.M., Swiecicka, I., Cvetković, O., Berić, T., Stanković, S. Characterisation of new *Bacillus circulans* strain isolated from Oil shale (2012) *Food Technology and Biotechnology*, 50 (1), pp. 123-127. (IF2012 0.977)
28. Shweshein, K.S.A.M., Radoičić, A., Andrić, F., Tešić, Z.L., Milojković-Opsenica, D.M. Hydrophilic interaction planar chromatography of geometrical isomers of selected Co(III) complexes (2012)

Journal of Liquid Chromatography and Related Technologies, 35 (10), pp. 1289-1297. (IF2012 0.565)

29. Korolija, J.N., Plavsic, J.V., Marinkovic, D., Mandic, L.M. Beer as a teaching aid in the classroom and laboratory (2012) Journal of Chemical Education, 89 (5), pp. 605-609. (IF2012 0.817)
30. Pejin, B., Vujisić, L., Sabovljević, M., Tešević, V., Vajs, V. Fatty acid chemistry of Atrichum undulatum and Hypnum andoi [Hemija masnih kiselina Atrichum undulatum I Hypnum andoi] (2012) Hemijska Industrija, 66 (2), pp. 207-209. (IF2012 0.463)
31. Beškoski, V.P., Gojgić-Cvijović, G.D., Milić, J.S., Ilić, M.V., Miletić, S.B., Jovančićević, B.S., Vrvić, M.M. Bioremediation of soil polluted with crude oil and its derivatives: Microorganisms, degradation pathways, technologies [Bioremedijacija zemljišta kontaminiranog naftom i naftnim derivatima: Mikroorganizmi, putanje razgradnje, tehnologije] (2012) Hemijska Industrija, 66 (2), pp. 275-289. (IF2012 0.463)
32. Sonja, V., Katarina, S.V., Ivanović, M., Ljiljana, D.-M., Todorović, Z., Č, V., Prostran, M., Milica, P. Neurotoxicity evaluation of fentanyl analogs in rats (2012) Acta Veterinaria, 62 (1), pp. 3-15. (IF2012 0.258)
33. Jovalekić, C., Nikolić, A.S., Gruden-Pavlović, M., Pavlović, M.B. Mechano-chemical synthesis of stoichiometric nickel and nickel-zinc ferrite powders with Nicolson-Ross analysis of the absorption coefficients (2012) Journal of the Serbian Chemical Society, 77 (4), pp. 497-505. (IF2012 0.912)
34. Dojčinović, B.P., Roglić, G.M., Obradović, B.M., Kuraica, M.M., Tost, T.B., Marković, M.D., Manojlović, D.D. Decolorization of Reactive Black 5 using a Dielectric Barrier Discharge in the presence of inorganic salts (2012) Journal of the Serbian Chemical Society, 77 (4), pp. 535-548. (IF2012 0.912)
35. Ilijević, K., Gržetić, I., Živadinović, I., Popović, A. Long-term seasonal changes of the Danube River eco-chemical status in the region of Serbia (2012) Environmental Monitoring and Assessment, 184 (5), pp. 2805-2828. (IF2012 1.592)
36. Šukalović, V., Šoški, V., Andrí, D., Roglić, G., Kostić-Rajačić, S. Modeling key interactions between the second extracellular loop of the dopamine D2 receptor and arylpiperazine ligands (2012) Journal of the Serbian Chemical Society, 77 (3), pp. 259-277. (IF2012 0.912)
37. Rabtti, E.H.M.A., Natić, M.M., Milojković-Opsenica, D.M., Trifković, J.D., Vučković, I.M., Vajs, V.E., Tešić, Z.L. RP TLC-based lipophilicity assessment of some natural and synthetic coumarins (2012) Journal of the Brazilian Chemical Society, 23 (3), pp. 522-530. (IF2012 1.283)
38. Poleti, D., Karanović, L., Balić-Žunić, T., Gržetić, I. Crystal structure of (Bi 094Sb 1.06)S 3and reconsideration of cation distribution over mixed sites in the bismuthinitestibnite solid-solution series (2012) Neues Jahrbuch für Mineralogie, Abhandlungen, 189 (2), pp. 177-187. (IF2012 0.755)
39. Pejin, B., Sabovljevic, M., Tesevic, V., Vajs, V. Further study on fructooligosaccharides of Rhodobryum ontariense (2012) Cryptogamie, Bryologie, 33 (2), pp. 191-196. (IF2012 1.039)
40. Makarov, S.E., Vujisić, L.V., Ćurčić, B.P.M., Ilić, B.S., Tešević, V.V., Vajs, V.E., Vučković, I.M., Mitić, B.M., Lučić, L.R., Dordević, I.Z. Chemical defense in the cave-dwelling millipede Brachydesmus troglobius Daday, 1889 (Diplopoda, Polydesmidae) (2012) International Journal of Speleology, 41 (1), pp. 95-100. (IF2012 1.344)
41. Pejin, B., Vujisic, Lj., Sabovljevic, M., Tesevic, V., Vajs, V. The moss Mnium hornum, a promising source of arachidonic acid (2012) Chemistry of Natural Compounds, 48 (1), pp. 120-121. (IF2012 0.599)
42. Abughren, M., Popović, M., Dimitrijević, R., Burazer, L., Grozdanović, M., Atanasković-Marković, M., Gavrović-Jankulović, M. Optimization of the heterologous expression of banana glucanase in Escherichia coli (2012) Journal of the Serbian Chemical Society, 77 (1), pp. 43-52. (IF2012 0.912)
43. Rikalović, M.G., Gojgić-Cvijović, G., Vrvić, M.M., Karadžić, I. Production and characterization of

rhamnolipids from *Pseudomonas aeruginosa* san-ai (2012) Journal of the Serbian Chemical Society, 77 (1), pp. 27-42. (IF2012 0.912)

44. Pejin, B., Iodice, C., Tommonaro, G., Sabovljevic, M., Bianco, A., Tesevic, V., Vajs, V., De Rosa, S. Sugar composition of the moss *Rhodobryum ontariense* (Kindb.) Kindb. (2012) Natural Product Research, 26 (3), pp. 209-215. (IF2012 1.031)
45. Kanjevac, T., Milovanovic, M., Volarevic, V., Lukic, M.L., Arsenijevic, N., Markovic, D., Zdravkovic, N., Tesic, Z., Lukic, A. Cytotoxic effects of glass ionomer cements on human dental pulp stem cells correlate with fluoride release (2012) Medicinal Chemistry, 8 (1), pp. 40-45. (IF2012 1.373)