

2016. Радови у врхунским међународним научним часописима категорије M21

IF > 5

1. Chen, Q., Utech, S., Chen, D., Prodanovic, R., Lin, J.-M., Weitz, D.A. Controlled assembly of heterotypic cells in a core-shell scaffold: Organ in a droplet (2016) *Lab on a Chip*, 16 (8), pp. 1346-1349. (M21, 5.586)
2. Apostolovic, D., Stanic-Vucinic, D., De Jongh, H.H.J., De Jong, G.A.H., Mihailovic, J., Radosavljevic, J., Radibratovic, M., Nordlee, J.A., Baumert, J.L., Milcic, M., Taylor, S.L., Garrido Clua, N., Cirkovic Velickovic, T., Koppelman, S.J. Conformational stability of digestion-resistant peptides of peanut conglutins reveals the molecular basis of their allergenicity (2016) *Scientific Reports*, 6, art. no. 29249. (M21, 5.228)
3. Grozdanovic, M.M., Čavić, M., Nešić, A., Andjelković, U., Akbari, P., Smit, J.J., Gavrović-Jankulović, M. Kiwifruit cysteine protease actinidin compromises the intestinal barrier by disrupting tight junctions (2016) *Biochimica et Biophysica Acta - General Subjects*, 1860 (3), pp. 516-526. (M21, 5.083)

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4. Stojanović, M., Baranac-Stojanović, M. Aromaticity of Diazaborines and Their Protonated Forms (2016) *Journal of Organic Chemistry*, 81 (1), pp. 197-205. (M21, 4.785)
5. Andjelković, L., Stepanović, S., Vlahović, F., Zlatar, M., Gruden, M. Resolving the origin of the multimode Jahn-Teller effect in metallophthalocyanines (2016) *Physical Chemistry Chemical Physics*, 18 (42), pp. 29122-29130. (M21, 4.449)
6. Ninković, D.B., Vojislavljević-Vasilev, D.Z., Medaković, V.B., Hall, M.B., Brothers, E.N., Zarić, S.D. Aliphatic-aromatic stacking interactions in cyclohexane-benzene are stronger than aromatic-aromatic interaction in the benzene dimer (2016) *Physical Chemistry Chemical Physics*, 18 (37), pp. 25791-25795. (M21, 4.449)
7. Antonijević, I.S., Janjić, G.V., Milčić, M.K., Zarić, S.D. Preferred Geometries and Energies of Sulfur-Sulfur Interactions in Crystal Structures (2016) *Crystal Growth and Design*, 16 (2), pp. 632-639. (M21, 4.425)
8. Dragelj, J.Lj., Stanković, I.M., Božinovski, D.M., Meyer, T., Veljković, D.Z., Medaković, V.B., Knapp, E.-W., Zarić, S.D. C-H/O Interactions of Aromatic CH Donors within Proteins: A Crystallographic Study (2016) *Crystal Growth and Design*, 16 (4), pp. 1948-1957. (M21, 4.425)
9. Malenov, D.P., Dragelj, J.L., Janjić, G.V., Zarić, S.D. Coordinating benzenes stack stronger than noncoordinating benzenes, even at large horizontal displacements (2016) *Crystal Growth and Design*, 16 (8), pp. 4169-4172. (M21, 4.425)
10. Adhikary, J., Chakraborty, A., Dasgupta, S., Chattopadhyay, S.K., Kruszynski, R., Trzesowska-Kruszynska, A., Stepanović, S., Gruden-Pavlović, M., Swart, M., Das, D. Unique mononuclear MnII complexes of an end-off compartmental Schiff base ligand: Experimental and theoretical studies on their bio-relevant catalytic promiscuity (2016) *Dalton Transactions*, 45 (31), pp. 12409-12422. (M21, 4.177)
11. Cakić, N., Verbić, T.Ž., Jelić, R.M., Platas-Iglesias, C., Angelovski, G. Synthesis and characterisation of bismacrocylic DO3A-amide derivatives - An approach towards metal-responsive PARACEST agents (2016) *Dalton Transactions*, 45 (15), pp. 6555-6565. (M21, 4.177)
12. Fitzpatrick, A.J., Stepanovic, S., Müller-Bunz, H., Gruden-Pavlović, M.A., García-Fernández, P., Morgan, G.G. Challenges in assignment of orbital populations in a high spin manganese(III) complex (2016) *Dalton Transactions*, 45 (15), pp. 6702-6708. (M21, 4.177)

13. Spasojević, D., Zmejkoski, D., Glamočlija, J., Nikolić, M., Soković, M., Milošević, V., Jarić, I., Stojanović, M., Marinković, E., Barisani-Asenbauer, T., Prodanović, R., Jovanović, M., Radotić, K. Lignin model compound in alginate hydrogel: a strong antimicrobial agent with high potential in wound treatment (2016) *International Journal of Antimicrobial Agents*, 48 (6), pp. 732-735. (M21, 4.097)
14. Lakić, M., Vukadinović, A., Kalcher, K., Nikolić, A.S., Stanković, D.M. Effect of cobalt doping level of ferrites in enhancing sensitivity of analytical performances of carbon paste electrode for simultaneous determination of catechol and hydroquinone (2016) *Talanta*, 161, pp. 668-674. (M21, 4.035)

IF 3 – 4

15. Vuković, G., Aničić Urošević, M., Škrivanj, S., Milićević, T., Dimitrijević, D., Tomašević, M., Popović, A. Moss bag biomonitoring of airborne toxic element decrease on a small scale: A street study in Belgrade, Serbia (2016) *Science of the Total Environment*, 542, pp. 394-403. (M21, 3.976)
16. Andrić, F., Šegan, S., Dramićanin, A., Majstorović, H., Milojković-Opsenica, D. Linear modeling of the soil-water partition coefficient normalized to organic carbon content by reversed-phase thin-layer chromatography (2016) *Journal of Chromatography A*, 1458, pp. 136-144. (M21, 3.926)
17. Jeremić, M., Pešić, M., Dinić, J., Banković, J., Novaković, I., Šegan, D., Sladić, D. Simple avarone mimetics as selective agents against multidrug resistant cancer cells (2016) *European Journal of Medicinal Chemistry*, 118, pp. 107-120. (M21, 3.902)
18. Minic, S.L., Stanic-Vucinic, D., Mihailovic, J., Krstic, M., Nikolic, M.R., Cirkovic Velickovic, T. Digestion by pepsin releases biologically active chromopeptides from C-phycoyanin, a blue-colored biliprotein of microalga *Spirulina* (2016) *Journal of Proteomics*, 147, pp. 132-139. (M21, 3.867)
19. Mirkovic, N., Polovic, N., Vukotic, G., Jovcic, B., Miljkovic, M., Radulovic, Z., Diep, D.B., Kojic, M. *Lactococcus lactis* LMG2081 produces two bacteriocins, a nonlantibiotic and a novel lantibiotic (2016) *Applied and Environmental Microbiology*, 82 (8), pp. 2555-2562. (M21, 3.823)
20. Šoštarić, A., Stojić, A., Stanišić Stojić, S., Gržetić, I. Quantification and mechanisms of BTEX distribution between aqueous and gaseous phase in a dynamic system (2016) *Chemosphere*, 144, pp. 721-727. (M21, 3.698)
21. Ninkov, M., Popov Aleksandrov, A., Mirkov, I., Demenesku, J., Mileusnic, D., Jovanovic Stojanov, S., Golic, N., Tolinacki, M., Zolotarevski, L., Kataranovski, D., Brceski, I., Kataranovski, M. Strain differences in toxicity of oral cadmium intake in rats (2016) *Food and Chemical Toxicology*, 96, pp. 11-23. (M21, 3.584)
22. Demenesku, J., Popov Aleksandrov, A., Mirkov, I., Ninkov, M., Zolotarevski, L., Kataranovski, D., Brceski, I., Kataranovski, M. Strain differences of cadmium-induced toxicity in rats: Insight from spleen and lung immune responses (2016) *Toxicology Letters*, 256, pp. 33-43. (M21, 3.522)
23. Prokopijevic, M., Prodanovic, O., Spasojevic, D., Kovacevic, G., Polovic, N., Radotic, K., Prodanovic, R. Tyramine-modified pectins via periodate oxidation for soybean hull peroxidase induced hydrogel formation and immobilization (2016) *Applied Microbiology and Biotechnology*, pp. 1-10. Article in Press. (M21, 3.376)
24. Radivojevic, J., Skaro, S., Senerovic, L., Vasiljevic, B., Guzik, M., Kenny, S.T., Maslak, V., Nikodinovic-Runic, J., O'Connor, K.E. Polyhydroxyalkanoate-based 3-hydroxyoctanoic acid and its derivatives as a platform of bioactive compounds (2016) *Applied Microbiology and Biotechnology*, 100 (1), pp. 161-172. (M21, 3.376)

25. Šokarda Slavić, M., Pešić, M., Vujčić, Z., Božić, N. Overcoming hydrolysis of raw corn starch under industrial conditions with *Bacillus licheniformis* ATCC 9945a α -amylase (2016) *Applied Microbiology and Biotechnology*, 100 (6), pp. 2709-2719. (M21, 3.376)
26. Mitrović, D., Đoković, N., Životić, D., Bechtel, A., Šajnović, A., Stojanović, K. Petrographical and organic geochemical study of the Kovin lignite deposit, Serbia (2016) *International Journal of Coal Geology*, 168, pp. 80-107. (M21, 3.294)
27. Vuković, N., Životić, D., Mendonça Filho, J.G., Kravić-Stevović, T., Hámor-Vidó, M., Mendonça, J.O., Stojanović, K. The assessment of maturation changes of humic coal organic matter - Insights from closed-system pyrolysis experiments (2016) *International Journal of Coal Geology*, 154-155, pp. 213-239. (M21, 3.294)
28. Nikolić, S., Rangasamy, L., Gligorijević, N., Arandelović, S., Radulović, S., Gasser, G., Grgurić-Šipka, S. Synthesis, characterization and biological evaluation of novel Ru(II)-arene complexes containing intercalating ligands (2016) *Journal of Inorganic Biochemistry*, 160, pp. 156-165. (M21, 3.205)
29. Anđelković, B., Vujisić, L., Vučković, I., Tešević, V., Vajs, V., Godevac, D. Metabolomics study of *Populus* type propolis (2016) *Journal of Pharmaceutical and Biomedical Analysis*, Article in Press. (M21, 3.169)
30. Andrić, F., Bajusz, D., Rácz, A., Šegan, S., Héberger, K. Multivariate assessment of lipophilicity scales—computational and reversed phase thin-layer chromatographic indices (2016) *Journal of Pharmaceutical and Biomedical Analysis*, 127, pp. 81-93. (M21, 3.169)
31. Pavićević, I.D., Jovanović, V.B., Takić, M.M., Aćimović, J.M., Penezić, A.Z., Mandić, L.M. Quantification of total content of non-esterified fatty acids bound to human serum albumin (2016) *Journal of Pharmaceutical and Biomedical Analysis*, 129, pp. 43-49. (M21, 3.169)
32. Bodner, M., Vagalinski, B., Makarov, S.E., Antić, D.Ž., Vujisić, L.V., Leis, H.-J., Raspotnig, G. "Quinone Millipedes" Reconsidered: Evidence for a Mosaic-Like Taxonomic Distribution of Phenol-Based Secretions across the Julidae (2016) *Journal of Chemical Ecology*, 42 (3), pp. 249-258. (M21, 3.151)
33. Andrić, J.M., Misini-Ignjatović, M.Z., Murray, J.S., Politzer, P., Zarić, S.D. Hydrogen Bonding between Metal-Ion Complexes and Noncoordinated Water: Electrostatic Potentials and Interaction Energies (2016) *ChemPhysChem*, pp. 2035-2042. (M21, 3.138)
34. Jeremić, S., Beškoski, V.P., Djokić, L., Vasiljević, B., Vrvic, M.M., Avdalović, J., Gojgić Cvijović, G., Beškoski, L.S., Nikodinović-Runic, J. Interactions of the metal tolerant heterotrophic microorganisms and iron oxidizing autotrophic bacteria from sulphidic mine environment during bioleaching experiments (2016) *Journal of Environmental Management*, 172, pp. 151-161. (M21, 3.131)
35. Pap, S., Radonić, J., Trifunović, S., Adamović, D., Mihajlović, I., Vojinović Miloradov, M., Turk Sekulić, M. Evaluation of the adsorption potential of eco-friendly activated carbon prepared from cherry kernels for the removal of Pb^{2+} , Cd^{2+} and Ni^{2+} from aqueous wastes (2016) *Journal of Environmental Management*, 184, pp. 297-306. (M21, 3.131)
36. Prokić, M.D., Borković-Mitić, S.S., Krizmanić, I.I., Mutić, J.J., Vukojević, V., Nasia, M., Gavrić, J.P., Despotović, S.G., Gavrilović, B.R., Radovanović, T.B., Pavlović, S.Z., Saičić, Z.S. Antioxidative responses of the tissues of two wild populations of *Pelophylax kl. esculentus* frogs to heavy metal pollution (2016) *Ecotoxicology and Environmental Safety*, 128, pp. 21-29. (M21, 3.130)
37. Sentic, M., Virgilio, F., Zanut, A., Manojlović, D., Arbault, S., Tormen, M., Sojic, N., Ugo, P. Microscopic imaging and tuning of electrogenerated chemiluminescence with boron-doped diamond nanoelectrode arrays (2016) *Analytical and Bioanalytical Chemistry*, 408 (25), pp. 7085-7094. (M21, 3.125)
38. Pantelić, M., Dabić Zagorac, D., Natić, M., Gašić, U., Jović, S., Vujović, D., Popović Djordjević, J. Impact of clonal variability on phenolics and radical scavenging activity of

- grapes and wines: A study on the recently developed Merlot and Cabernet Franc clones (*Vitis vinifera* L.) (2016) PLoS ONE, 11 (10), art. no. e0163823. (M21, 3.057)
39. Radibratovic, M., Minic, S., Stanic-Vucinic, D., Nikolic, M., Milcic, M., Velickovic, T.C. Stabilization of human serum albumin by the binding of phycocyanobilin, a bioactive chromophore of blue-green alga spirulina: Molecular dynamics and experimental study (2016) PLoS ONE, 11 (12), art. no. e0167973 (M21, 3.057)
40. Ristivojević, P., Dimkić, I., Trifković, J., Berić, T., Vovk, I., Milojković-Opsenica, D., Stanković, S. Antimicrobial activity of Serbian propolis evaluated by means of MIC, HPTLC, bioautography and chemometrics (2016) PLoS ONE, 11 (6), art. no. e0157097. (M21, 3.057)
41. Jappe, U., Nikolic, J., Opitz, A., Homann, A., Zabel, P., Gavrovic-Jankulovic, M. Apparent IgE negative anaphylactic reaction to banana combined with kiwi allergy – complementary diagnostic value of purified single banana allergens (2016) Journal of the European Academy of Dermatology and Venereology, 30 (7), pp. 1220-1222. (M21, 3.029)

IF 2 – 3

42. Nytoft, H.P., Vuković, N.S., Kildahl-Andersen, G., Rise, F., Životić, D.R., Stojanović, K.A. Identification of a Novel Series of Benzohopanes and Their Geochemical Significance (2016) Energy and Fuels, 30 (7), pp. 5563-5575. (M21, 2.835)
43. Radovanovic, A., Jovancicevic, B., Arsic, B., Radovanovic, B., Bukarica, L.G. Application of non-supervised pattern recognition techniques to classify Cabernet Sauvignon wines from the Balkan region based on individual phenolic compounds (2016) Journal of Food Composition and Analysis, 49, pp. 42-48. (M21, 2.780)
44. Krstić, G., Anđelković, B., Choi, Y.H., Vajs, V., Stević, T., Tešević, V., Gođevac, D. Metabolic changes in *Euphorbia palustris* latex after fungal infection (2016) Phytochemistry, 131, pp. 17-25. (M21, 2.779)
45. Andjelkovic, I., Jovic, B., Jovic, M., Markovic, M., Stankovic, D., Manojlovic, D., Roglic, G. Microwave-hydrothermal method for the synthesis of composite materials for removal of arsenic from water (2016) Environmental Science and Pollution Research, 23 (1), pp. 469-476. (M21, 2.760)
46. Barać, N., Škrivanj, S., Bukumirić, Z., Živojinović, D., Manojlović, D., Barać, M., Petrović, R., Čorac, A. Distribution and mobility of heavy elements in floodplain agricultural soils along the Ibar River (Southern Serbia and Northern Kosovo). Chemometric investigation of pollutant sources and ecological risk assessment (2016) Environmental Science and Pollution Research, 23 (9), pp. 9000-9011. (M21, 2.760)
47. Borković-Mitić, S.S., Prokić, M.D., Krizmanić, I.I., Mutić, J., Trifković, J., Gavrić, J., Despotović, S.G., Gavrilović, B.R., Radovanović, T.B., Pavlović, S.Z., Saičić, Z.S. Biomarkers of oxidative stress and metal accumulation in marsh frog (*Pelophylax ridibundus*) (2016) Environmental Science and Pollution Research, 23 (10), pp. 9649-9659. (M21, 2.760)
48. Đorđević, D., Buha, J., Stortini, A.M., Mihajlidi-Zelić, A., Relić, D., Barbante, C., Gambaro, A. Mass distributions and morphological and chemical characterization of urban aerosols in the continental Balkan area (Belgrade) (2016) Environmental Science and Pollution Research, 23 (1), pp. 851-859. (M21, 2.760)
49. Janović, B.S., Mičić Vićovac, M.L., Vujčić, Z.M., Vujčić, M.T. Tailor-made biocatalysts based on scarcely studied acidic horseradish peroxidase for biodegradation of reactive dyes (2016) Environmental Science and Pollution Research, pp. 1-11. Article in Press. (M21, 2.760)
50. Racić, G., Körmöczi, P., Kredics, L., Raičević, V., Mutavdžić, B., Vrvic, M.M., Panković, D. Effect of the edaphic factors and metal content in soil on the diversity of *Trichoderma* spp.

- (2016) Environmental Science and Pollution Research, pp. 1-12. Article in Press. (M21, 2.760)
51. Sabo, N.Č., Kiš, T., Janačković, P., Đorđević, D., Popović, A. Pollution by Urticaceae pollen —influence of selected air pollutants and meteorological parameters (2016) Environmental Science and Pollution Research, 23 (10), pp. 10072-10079. (M21, 2.760)
 52. Sakan, S., Popović, A., Škrivanj, S., Sakan, N., Đorđević, D. Comparison of single extraction procedures and the application of an index for the assessment of heavy metal bioavailability in river sediments (2016) Environmental Science and Pollution Research, 23 (21), pp. 21485-21500. (M21, 2.760)
 53. Stefanović, V., Trifković, J., Djurdjić, S., Vukojević, V., Tešić, Ž., Mutić, J. Study of silver, selenium and arsenic concentration in wild edible mushroom *Macrolepiota procera*, health benefit and risk (2016) Environmental Science and Pollution Research, 23 (21), pp. 22084-22098. (M21, 2.760)
 54. Stefanović, V., Trifković, J., Mutić, J., Tešić, Ž. Metal accumulation capacity of parasol mushroom (*Macrolepiota procera*) from Rasina region (Serbia) (2016) Environmental Science and Pollution Research, 23 (13), pp. 13178-13190. (M21, 2.760)
 55. Randelović, D., Gajić, G., Mutić, J., Pavlović, P., Mihailović, N., Jovanović, S. Ecological potential of *Epilobium dodonaei* Vill. for restoration of metalliferous mine wastes (2016) Ecological Engineering, 95, pp. 800-810. (M21, 2.740)
 56. Mrkić, I., Minić, R., Bulat, T., Aradska, J., Atanasković-Marković, M., Drakulić, B., Gavrović-Jankulović, M. Modulation of the specific immune response in Balb/c mice by intranasal application of recombinant H1D2 chimera (2016) Journal of Chemical Technology and Biotechnology. Article in Press. (M21, 2.738)
 57. Šegan, S., Opsenica, I., Zlatović, M., Milojković-Opsenica, D., Šolaja, B. Quantitative structure retention/activity relationships of biologically relevant 4-amino-7-chloroquinoline based compounds (2016) Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 1012-1013, pp. 144-152. (M21, 2.687)
 58. Mihajlovic, L., Radosavljevic, J., Nordlund, E., Krstic, M., Bohn, T., Smit, J., Buchert, J., Cirkovic Velickovic, T. Peanut protein structure, polyphenol content and immune response to peanut proteins: In vivo are modulated by laccase (2016) Food and Function, 7 (5), pp. 2357-2366. (M21, 2.686)
 59. Mileski, K.S., Ćirić, A.D., Trifunović, S.S., Ristić, M.S., Soković, M.D., Matevski, V.S., Tešević, V.V., Jadranin, M.B., Marin, P.D., Džamić, A.M. *Heracleum orphanidis*: Chemical characterisation, and comparative evaluation of antioxidant and antimicrobial activities with specific interest in the influence on *Pseudomonas aeruginosa* PAO1 (2016) Food and Function, 7 (9), pp. 4061-4074. (M21, 2.686)
 60. Takić, M.M., Jovanović, V.B., Pavićević, I.D., Uzelac, T.N., Aćimović, J.M., Ristić-Medić, D.K., Mandić, L.M. Binding of enterolactone and enterodiol to human serum albumin: Increase of cysteine-34 thiol group reactivity (2016) Food and Function, 7 (2), pp. 1217-1226. (M21, 2.686)
 61. Stefanović, I.S., Špirková, M., Poreba, R., Steinhart, M., Ostojić, S., Tešević, V., Pergal, M.V. Study of the Properties of Urethane-Siloxane Copolymers Based on Poly(propylene oxide)-b-poly(dimethylsiloxane)-b-poly(propylene oxide) Soft Segments (2016) Industrial and Engineering Chemistry Research, 55 (14), pp. 3960-3973. (M21, 2.567)
 62. Borozan, S.Z., Zlatović, M.V., Stojanović, S.Đ. Anion- π interactions in complexes of proteins and halogen-containing amino acids (2016) Journal of Biological Inorganic Chemistry, 21 (3), pp. 357-368. (M21, 2.495)
 63. Čobeljić, B., Milenković, M., Pevec, A., Turel, I., Vujčić, M., Janović, B., Gligorijević, N., Sladić, D., Radulović, S., Jovanović, K., Andelković, K. Investigation of antitumor potential of Ni(II) complexes with tridentate PNO acylhydrazones of 2-

- (diphenylphosphino)benzaldehyde and monodentate pseudohalides (2016) *Journal of Biological Inorganic Chemistry*, 21 (2), pp. 145-162. (M21, 2.495)
64. Rašković, B., Vatić, S., Anđelković, B., Blagojević, V., Polović, N. Optimizing storage conditions to prevent cold denaturation of trypsin for sequencing and to prolong its shelf life (2016) *Biochemical Engineering Journal*, 105, pp. 168-176. (M21, 2.463)
65. Lakic, M., Sabo, L., Ristic, S., Savic, A., Petričević, S., Nikolic, N., Vukadinovic, A., Jankovic, D., Sabo, T.J., Vranješ-D Strok Signuric, S. Synthesis and biological evaluation of ^{99m}Tc tricarbonyl complex of O,O'-diethylethylenediamine-N,N'-di-3-propanoate as potential tumour diagnostic agent (2016) *Applied Organometallic Chemistry*, 30 (2), pp. 81-88. (M21, 2.452)
66. Djekic-Ivankovic, M., Weiler, H., Jones, G., Kaufmann, M., Kaludjerovic, J., Aleksic-Velickovic, V., Mandić, L.M., Glibetic, M. Vitamin D status in mothers with pre-eclampsia and their infants: a case-control study from Serbia, a country without a vitamin D fortification policy (2016) *Public Health Nutrition*, pp. 1-11. Article in Press. (M21, 2.433)
67. Marinković, V., Ranković-Janevski, M., Spasić, S., Nikolić-Kokić, A., Lugonja, N., Djurović, D., Miletić, S., Vrvic, M.M., Spasojević, I. Antioxidative activity of colostrum and human milk: Effects of pasteurization and storage (2016) *Journal of Pediatric Gastroenterology and Nutrition*, 62 (6), pp. 901-906. (M21, 2.400)
68. Nikolić-Kokić, A., Mijušković, A., Tatalović, N., Nestorov, J., Miler, M., Oreščanin-Dušić, Z., Nikolić, M., Milošević, V., Blagojević, D., Spasić, M., Miljević, Č. Effects of antipsychotic drug administration on antioxidative defense enzymes in male rat kidney (2016) *Journal of Toxicology and Environmental Health - Part A: Current Issues*, 79 (20), pp. 905-911. (M21, 2.243)
69. Radosavljevic, J., Naimov, S. Toxicity of *Bacillus thuringiensis* (L.) Cry proteins against summer fruit tortrix (*Adoxophyes orana* - Fischer von Rösslerstamm) (2016) *Journal of Invertebrate Pathology*, 138, pp. 63-65. (M21, 2.198)
70. Kostić, A.Ž., Petrović, T.S., Krnjaja, V.S., Nedić, N.M., Tešić, Ž.L., Milojković-Opsenica, D.M., Barać, M.B., Stanojević, S.P., Pešić, M.B. Mold/aflatoxin contamination of honey bee collected pollen from different Serbian regions [Contaminación con mohos y aflatoxina de las muestras de polen de abeja colectado en diferentes regiones en Serbia] (2016) *Journal of Apicultural Research*, pp. 1-8. Article in Press. (M21, 2.084)
71. Sakan, S., Popović, A., Anđelković, I., Đorđević, D. Aquatic sediments pollution estimate using the metal fractionation, secondary phase enrichment factor calculation, and used statistical methods (2016) *Environmental Geochemistry and Health*, 38 (3), pp. 855-867. (M21, 2.079)
72. Alrgei, H.O.S., Dabić, D.C., Natić, M.M., Rakonjac, V.S., Milojković-Opsenica, D., Tešić, Z.L., Fotirić Akšić, M.M. Chemical profile of major taste- and health-related compounds of Oblačinska sour cherry (2016) *Journal of the Science of Food and Agriculture*, 96 (4), pp. 1241-1251. (M21, 2.076)
73. Raskovic, B., Lazic, J., Polovic, N. Characterisation of general proteolytic, milk clotting and antifungal activity of *Ficus carica* latex during fruit ripening (2016) *Journal of the Science of Food and Agriculture*, 96 (2), pp. 576-582. (M21, 2.076)
74. Trbojević Ivić, J., Veličković, D., Dimitrijević, A., Bezbradica, D., Dragačević, V., Gavrović Jankulović, M., Milosavić, N. Design of biocompatible immobilized *Candida rugosa* lipase with potential application in food industry (2016) *Journal of the Science of Food and Agriculture*, pp. 4281-4287. (M21, 2.076)

IF < 2

75. Matijašević, I., Korolija J., Mandić. L.M. Translation of $P=kT$ into a Pictorial External Representation by High School Seniors (2016) *Chemistry Education Research and Practice*, 17, pp. 656-674. (M21, 1.802)
76. Putica, K. and Trivic, D. D. Cognitive apprenticeship as a vehicle for enhancing the understanding and functionalization of organic chemistry knowledge, (2016) *Chemistry Education: Research and Practice*, 17, 1, 172-196. (M21, 1.802)
77. Nenadić, M., Soković, M., Glamočlija, J., Ćirić, A., Perić-Mataruga, V., Ilijin, L., Tešević, V., Vujisić, L., Todosijević, M., Vesović, N., Ćurčić, S. Antimicrobial activity of the pygidial gland secretion of three ground beetle species (Insecta: Coleoptera: Carabidae) (2016) *Science of Nature - Die Naturwissenschaften*, 103 (3), p. 34. (M21, 1.773)
78. Nenadić, M., Soković, M., Glamočlija, J., Ćirić, A., Perić-Mataruga, V., Tešević, V., Vujisić, L., Todosijević, M., Vesović, N., Ćurčić, S. Antimicrobial activity of the pygidial gland secretion of the troglophilic ground beetle *Laemostenus (Pristonychus) punctatus* (Dejean, 1828) (Insecta: Coleoptera: Carabidae) (2016) *Bulletin of Entomological Research*, 106 (4), pp. 474-480. (M21, 1.761)
79. Pantelić, N., Zmejovski, B.B., Marković, D.D., Vujić, J.M., Stanojković, T.P., Sabo, T.J., Kaluđerović, G.N. Synthesis, characterization, and cytotoxicity of a Novel Gold(III) complex with O, O'-diethyl ester of ethylenediamine-N, N'-Di-2-(4-Methyl)Pentanoic acid (2016) *Metals*, 6 (9), art. no. 226. (M21, 1.574)
80. Gržetić, I., Orlić, J., Radić, V., Radić, M., Ilijević, K. Analysis of medieval Serbian silver coins from XIV and XV century by means of wavelength-dispersive X-ray spectrometry (2016) *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*, 366, pp. 161-170. (M21, 1.389)
81. Popović, M., Šuštar, V., Gričar, J., Štraus, I., Torkar, G., Kraigher, H., de Marco, A. Identification of environmental stress biomarkers in seedlings of European beech (*Fagus sylvatica*) and Scots pine (*Pinus sylvestris*) (2016) *Canadian Journal of Forest Research*, 46, pp.58-66 (M21, IF 1.682)