

## M22:

### IF>3

1. Stojasavljević, A.; Rovčanin, B.; Jagodić, J.; Krstić, Đ.; Paunović, I.; Gavrović -Jankulović, M.; Manojlović, D. D. Alteration of Trace Elements in Multinodular Goiter, Thyroid Adenoma, and Thyroid Cancer. *Biological Trace Element Research* 2021, 199 (11), 4055–4065 (*Biochemistry & Molecular Biology* 160/296, IF2020=3.738). <https://doi.org/10.1007/s12011-020-02542-9>.
2. Dimkić, I.; Gobin, I.; Begić, G.; Repac Antić, D.; Ristivojević, P.; Jurica, K.; Berić, T.; Lozo, J.; Abram, M.; Stanković, S. Antibacterial Activity of Herbal Extracts towards Uropathogenic Enterococcus Isolates as a Natural Approach in Control of Urinary Tract Infections. *Journal of Herbal Medicine* 2021, 28, 100445 (*Integrative & Complementary Medicine* 10/29, IF2020=3.032). <https://doi.org/10.1016/j.hermed.2021.100445>.
3. Lugonja, N.; Gorjanović, S.; Pastor, F.; Marinković, V. S.; Miličić, B.; Vrvić, M. M.; Spasić, S. Antioxidant Capacity and Quality of Human Milk and Infant Formula Determined by Direct Current Polarography. *Food Analytical Methods* 2021, 14, 1987–1994 (*Food Science & Technology* 65/144, IF2020=3.070). <https://doi.org/10.1007/s12161-021-02030-3>.
4. Lopandić, Z.; Dragačević, L.; Popović, D. M.; Andelković, U.; Minić, R.; Gavrović -Jankulović, M. BanLec -EGFP Chimera as a Tool for Evaluation of Lectin Binding to High-Mannose Glycans on Microorganisms. *Biomolecules* 2021, 11 (2), 180 (*Biochemistry & Molecular Biology* 96/296, IF2020=4.879). <https://doi.org/10.3390/biom11020180>.
5. Kretić, D. S.; Veljković, I. S.; Đunović, A. B.; Veljković, D. Ž. Chelate Coordination Compounds as a New Class of High-Energy Materials: The Case of Nitro-Bis(Acetylacetone) Complexes. *Molecules* 2021, 26 (18), 5438 (*Chemistry, Multidisciplinary* 63/178, IF2020=4.412). <https://doi.org/10.3390/molecules26185438>.
6. Filip, S.; Đurović, S.; Blagojević, S.; Tomić, A.; Ranitović, A.; Gašić, U. M.; Tešić, Ž. Lj.; Zeković, Z. P. Chemical Composition and Antimicrobial Activity of Osage Orange (*Maclura Pomifera*) Leaf Extracts. *Archiv der Pharmazie* 2021, 354, e2000195 (*Chemistry, Multidisciplinary* 73/178, IF2020=3.751). <https://doi.org/10.1002/ardp.202000195>.
7. Ferjančić, Z.; Saičić, R. Combining Organocatalyzed Aldolization and Reductive Amination: An Efficient Reaction Sequence for the Synthesis of Iminosugars. *European Journal of Organic Chemistry* 2021, 2021 (22), 3241–3250 (*Chemistry, Organic* 22/57, IF2020=3.021). <https://doi.org/10.1002/ejoc.202100398>.
8. Mitrović, A.; Abellán, G.; Hirsch, A. Covalent and Non-Covalent Chemistry of 2D Black Phosphorus. *RSC Advances* 2021, 11 (42), 26093–26101 (*Chemistry, Multidisciplinary* 81/178, IF2020=3.361). <https://doi.org/10.1039/D1RA04416H>.
9. Nešović, M.; Gašić, U. M.; Tosti, T.; Horvacki, N.; Nedić, N.; Sredojević, M.; Blagojević, S.; Ignatović, L.; Tešić, Ž. Lj. Distribution of Polyphenolic and Sugar Compounds in Different Buckwheat Plant Parts. *RSC Advances* 2021, 11 (42), 25816–25829 (*Chemistry, Multidisciplinary* 81/178, IF2020=3.361). <https://doi.org/10.1039/D1RA04250E>.
10. Đorđević, D.; Sakan, S.; Trifunović, S.; Škrivanj, S.; Finger, D. C. Element Content in Volcano Ash, Soil and River Sediments of the Watershed in the Volcanic Area of South Iceland and Assessment of Their Mobility Potential. *Water* 2021, 13 (14), 1928 (*Water Resources* 39/98, IF2020=3.103). <https://doi.org/10.3390/w13141928>.
11. Milićević, T.; Aničić Urošević, M.; Relić, D.; Jovanović, G.; Nikolić, D.; Vergel, K.; Popović, A. Environmental Pollution Influence to Soil–Plant–Air System in Organic Vineyard: Bioavailability, Environmental, and Health Risk Assessment. *Environmental Science and Pollution Research* 2021, 28 (3), 3361–3374 (*Environmental Sciences* 91/274, IF2020=4.223). <https://doi.org/10.1007/s11356-020-10649-8>.
12. Kasalović, M. P.; Petrović, A.; Živković, J. M.; Kuckling, L.; Jevtić, V. V.; Bogojeski, J.; Leka, Z. B.; Trifunović, S. R.; Pantelić, N. Đ. Evaluation of DNA/BSA Interactions and DFT Calculations of Gold(III), Zinc(II) and Palladium(II) Complexes with Triammonium N-Dithiocarboxyiminodiacetate. *Journal of Molecular Structure* 2021, 1229, 129622 (*Chemistry, Physical* 83/162, IF2020=3.196). <https://doi.org/10.1016/j.molstruc.2020.129622>.
13. Sakan, S.; Frančišković -Bilinski, S.; Đorđević, D.; Popović, A. R.; Sakan, N.; Škrivanj, S.; Bilinski, H. Evaluation of Element Mobility in River Sediment Using Different Single Extraction Procedures and Assessment of Probabilistic Ecological Risk. *Water* 2021, 13 (10), 1411 (*Water Resources* 39/98, IF2020=3.103). <https://doi.org/10.3390/w13101411>.
14. Đukić, T.; Mladenović, M.; Stanić -Vučinić, D.; Radosavljević, J.; Smiljanić, K.; Sabljić, L.; Dević, M.; Ćujić, D. ; Vasović, T.; Simović, A.; Radomirović, M. Ž.; Ćirković -Veličković, T. Expression, Purification and Immunological Characterization of Recombinant Nucleocapsid Protein Fragment from SARS-CoV-2. *Virology journal* 2021, 557, 15–22 (*Virology* 15/37, IF2020=4.099). <https://doi.org/10.1016/j.virol.2021.01.004>.

15. Ivanović, S.; Simić, K.; Tešević, V.; Vujišić, L.; Ljekočević, M.; Gođevac, D. GC -FID-MS Based Metabolomics to Access Plum Brandy Quality. *Molecules* 2021, 26 (5), 1391 (Chemistry, Multidisciplinary 63/178, IF2020=4.412). <https://doi.org/10.3390/molecules26051391>.
16. Veljković, I. S.; Radovanović, J.; Veljković, D. Ž. How Aromatic System Size Affects the Sensitivities of Highly Energetic Molecules? *RSC Advances* 2021, No. 11, 31933–31940 (Chemistry, Multidisciplinary 81/178, IF2020=3.361). <https://doi.org/10.1039/d1ra06482g>.
17. Popov, N.; Krehula, S.; Ristić, M.; Kuzmann, E.; Homonnay, Z.; Bošković, M.; Stanković, D.; Kubuki, S.; Musić, S. Influence of Cr Doping on the Structural, Magnetic, Optical and Photocatalytic Properties of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Nanorods. *Journal of Physics and Chemistry of Solids* 2021, 148, 109699 (Chemistry, Multidisciplinary 68/178, IF2020=3.995). <https://doi.org/10.1016/j.jpcs.2020.109699>.
18. Popov, N.; Bošković, M.; Perović, M.; Németh, Z.; Wang, J.; Kuang, Z.; Reissner, M.; Kuzmann, E.; Homonnay, Z.; Kubuki, S.; Marciuš, M.; Ristić, M.; Musić, S.; Stanković, D.; Krehula, S. Influence of Low -Spin Co<sup>3+</sup> for High-Spin Fe<sup>3+</sup> Substitution on the Structural, Magnetic, Optical and Catalytic Properties of Hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) Nanorods. *Journal of Physics and Chemistry of Solids* 2021, 152, 109929 (Chemistry, Multidisciplinary 68/178, IF2020=3.995). <https://doi.org/10.1016/j.jpcs.2020.109929>.
19. Stevanović, N. R.; Apostolović, D.; Milčić, M. K.; Lolić, A.; Hage, M. van; Ćirković -Veličković, T.; Baošić, R. Interaction, Binding Capacity and Anticancer Properties of N,N'-Bis(Acetylacetone)-Propylenediamine-Copper(II) on Colorectal Cancer Cell Line Caco-2. *New Journal of Chemistry* 2021, 45 (14), 6231–6237 (Chemistry, Multidisciplinary 75/178, IF2020=3.591). <https://doi.org/10.1039/D1NJ00040C>.
20. Lugonja, N.; Lončarević, B. D.; Stanković, D.; Marinković, V. S.; Lješević, M.; Spasić, S.; Beškoski, V. Investigation of Pectin as a Prebiotic, Antioxidant and Antimicrobial Agent for the Bacteria Selected from Human Milk of Mothers of Premature Infants. *Minerva Biotechnology and Biomolecular Research* 2021, 33 (2), 86–92 (Biotechnology & Applied Microbiology 86/160 IF2020=3.028). <https://doi.org/10.23736/S2724-542X.21.02760-9>.
21. Milovanović, V.; Minić, R.; Vakić, J.; Ivanović, S.; Čupić, V.; Borozan, S.; Nešić, A.; Živković, I. MTT Based L -Aminoacid Oxidase Activity Test for Determination of Antivenom Potency against Vipera Ammodytes Envenomation. *Toxicon* 2021, 192, 57–65 (Pharmacology & Pharmacy 162/276, IF2020=3.033). <https://doi.org/10.1016/j.toxicon.2021.01.012>.
22. Popović -Đorđević, J.; Paunović, D. M.; Milić, A.; Krstić, Đ. D.; Siavash Moghaddam, S.; Roje, V. Multi -Elemental Analysis, Pattern Recognition Techniques of Wild and Cultivated Rosehips from Serbia, and Nutritional Aspect. *Biological Trace Element Research* 2021, 199 (3), 1110–1122 (Biochemistry & Molecular Biology 160/296, IF2020=3.738). <https://doi.org/10.1007/s12011-020-02199-4>.
23. Milošević, J.; Prodanović, R.; Polović, N. On the Protein Fibrillation Pathway: Oligomer Intermediates Detection Using ATR -FTIR Spectroscopy. *Molecules* 2021, 26 (4), 970 (Chemistry, Multidisciplinary 63/178, IF2020=4.412). <https://doi.org/10.3390/molecules26040970>.
24. Maletić, S.; Ivančev -Tumbas, I.; Brossas, A.; Antonijević, M.; Časlavský, J.; Jovančićević, B.; Matović, Z. ; Kongoli, R.; MajlindaVasjari; Petrović, M.; Andrejić, N.; Popov, S.; Vesović, N. L.; Tabet, J. -C.; Warnet, A.; Darko Andelković; Gajica, G.; Andelković, T. Overview of Erasmus+ NETCHEM Project: ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education. *Environmental Science and Pollution Research* 2021, 28 (2), 2479–2483 (Environmental Sciences 91/274, IF2020=4.223). <https://doi.org/10.1007/s11356-020-11506-4>.
25. Jagodić, J.; Rovčanin, B.; Borković Mitić, S.; Vujošić, L.; Avdin, V.; Manojlović, D. D.; Stojsavljević, A. Possible Zinc Deficiency in the Serbian Population: Examination of Body Fluids, Whole Blood and Solid Tissues. *Environmental Science and Pollution Research* 2021 (Environmental Sciences 91/274, IF2020=4.223). <https://doi.org/10.1007/s11356-021-14013-2>.
26. Protić -Rosić, I.; Nešić, A.; Lukić, I.; Miljković, R.; Popović, D. M.; Atanasković -Marković, M.; Stojanović, M.; Gavrović -Jankulović, M. Recombinant Bet v 1-BanLec Chimera Modulates Functional Characteristics of Peritoneal Murine Macrophages by Promoting IL-10 Secretion. *Molecular Immunology* 2021, 138, 58–67 (Immunology 76/162, IF2020=4.407). <https://doi.org/10.1016/j.molimm.2021.06.015>.
27. Gligorijević, N.; Stanić -Vučinić, D.; Radomirović, M.; Stoja dinović, M. M.; Khulal, U.; Nedić, O.; Ćirković -Veličković, T. Role of Resveratrol in Prevention and Control of Cardiovascular Disorders and Cardiovascular Complications Related to COVID-19 Disease: Mode of Action and Approaches Explored to Increase Its Bioavailability. *Molecules* 2021, 26 (10), 2834 (Chemistry, Multidisciplinary 63/178, IF2020=4.412). <https://doi.org/10.3390/molecules26102834>.

28. Stanković, D.; Milanović, Z.; Švorc, L.; Stanković, V.; Janković, D.; Mirković, M. D.; Vranješ -Đurić, S. Screen Printed Diamond Electrode as Efficient “Point-of-Care” Platform for Submicromolar Determination of Cytostatic Drug in Biological Fluids and Pharmaceutical Product. *Diamond and Related Materials* 2021, 113, 108277 (Materials Science, Multidisciplinary 169/334, IF2020=3.315). <https://doi.org/10.1016/j.diamond.2021.108277>.
29. Jakšić, J.; Mitrović, A.; Tokić Vujošević, Z.; Milčić, M. K.; Maslak, V. S elective Formation of Dihydrofuran Fused [60] Fullerene Derivatives by TEMPO Mediated [3 + 2] Cycloaddition of Medium Chain  $\beta$ -Keto Esters to C60. *RSC Advances* 2021, 11 (47), 29426–29432 (Chemistry, Multidisciplinary 81/178, IF2020=3.361). <https://doi.org/10.1039/D1RA03944J>.
30. Milinčić, D. D.; Kostić, A. Ž.; Gašić, U. M.; Lević, S.; Stanojević, S. P.; Barać, M. B.; Tešić, Ž. Lj.; Nedović, V.; Pešić, M. B. Skimmed Goat’s Milk Powder Enriched with Grape Pomace Seed Extract: Phenolics and Protein Characterization and Antioxidant Properties. *Biomolecules* 2021, 11 (7), 965 (Biochemistry & Molecular Biology 96/296, IF2020=4.879). <https://doi.org/10.3390/biom11070965>.
31. Araškov, J. B.; Nikolić, M.; Armaković, S.; Armaković, S.; Rodić, M.; Višnjevac, A.; Padrón, J. M.; Todorović, T.; Filipović, N. R. Structural, Antioxidant, Antiproliferative and In-silico Study of Pyridine-Based Hydrazonyl–selenazoles and Their Sulphur Isosteres. *Journal of Molecular Structure* 2021, 1240, 130512 (Chemistry, Physical 83/162, IF2020=3.196). <https://doi.org/10.1016/j.molstruc.2021.130512>.
32. Milovanović, J.; Gündüz, M. G.; Zerva, A.; Petković, M.; Beškoski, V.; Thomaidis, N. S.; Topakas, E.; Nikodinović -Runić, J. Synthesis and Laccase - Mediated Oxidation of New Condensed 1,4-Dihydropyridine Derivatives. *Catalysts* 2021, 11 (6), 727 (Chemistry, Physical 67/162, IF2020=4.146). <https://doi.org/10.3390/catal11060727>.
33. Jagodić, J.; Rovčanin, B.; Paunović, I.; Jovanović, M.; Gavrović -Jankulović, M.; Manojlović, D. D.; Stojsavljević, A. The First Insight into the Trace Element Status of Human Adrenal Gland Accompanied by Elemental Alterations in Adrenal Adenomas. *Journal of Trace Elements in Medicine and Biology* 2021, 63, 126658 (Biochemistry & Molecular Biology 151/296, IF2020=3.849). <https://doi.org/10.1016/j.jtemb.2020.126658>.
34. Radović, M.; Mirković, M.; Nikolić, A. S.; Kuraica, M.; Iskrenović, P.; Milanović, Z.; Vranješ -Đurić, S.; Perić, M. Transmittance Measurements i n Non-Alternating Magnetic Field as Reliable Method for Determining of Heating Properties of Phosphate and Phosphonate Coated Fe3O4 Magnetic Nanoparticles. *Journal of Inorganic and Organometallic Polymers and Materials* 2021, 31, 4426–4433 (Polymer Science 30/91, IF2020=3.543). <https://doi.org/10.1007/s10904-021-02059-1>.
35. Baranac-Stojanović, M.; Stojanović, M.; Aleksić, J. Triplet State (Anti)Aromaticity of Some Monoheterocyclic Analogues of Benzene, Naphthalene and Anthracene. *New Journal of Chemistry* 2021, 45 (11), 5060–5074 (Chemistry, Multidisciplinary 75/178, IF2020=3.591). <https://doi.org/10.1039/D1NJ00207D>.
36. Petković, B. B.; Ognjanović, M.; Antić , B.; Viktorovich Avdin, V.; Manojlović, D. D.; Vranješ -Đurić, S.; Stanković, D. Easily Prepared Co3O4 Doped Porous Carbon Material Decorated with Single-Wall Carbon Nanotubes Applied in Voltammetric Sensing of Antioxidant  $\alpha$ -Lipoic Acid. *Electroanalysis* 2021, 33 (2), 446–454 (Electrochemistry 16/29, IF2020=3.223). <https://doi.org/10.1002/elan.202060290>.
37. Andelković, U.; Gudelj, I.; Klarić, T.; Hinneburg, H.; Vinković, M.; Wittine, K.; Dovezenski, N.; Vikić -Topić, D.; Lauc, G.; Vujičić, Z.; Josić, Đ. Increased Yield of Enzymatic Synthesis by Chromatographic Selection of Different N-Glycoforms of Yeast Invertase. *Electrophoresis* 2021, 42 (24), 2626–2636 (Biochemical Research Methods 29/78, IF2020=3.535). <https://doi.org/10.1002/elps.202000092>.
- IF 2-3**
38. Ivanović, L.; Topalović, A.; Bogdanović, V.; Đurović, D.; Mugoša, B.; Jadranin, M.; Tešević, V.; Beškoski, V. Antiproliferati ve Activity and Antioxidative Potential of Swiss Chard from Montenegro, Grown under Different Irrigation and Fertilization Regimes. *British Food Journal* 2021, 123 (7), 2335–2348 (Food Science & Technology 81/144, IF2020=2.518). <https://doi.org/10.1108/BFJ-11-2020-1062>.
39. Cvijetić, I.; Bigović, M.; Ristivojević, P.; Vitorović -Todorović, M. D.; Zloh, M.; Milojković -Opsenica, D. DFT Study of the Radical Scavenging Activity of Isoxanthohumol, Humulones ( $\alpha$ -Acids), and Iso- $\alpha$ -Acids from Beer. *Structural Chemistry* 2021, 32, 2051–2059 (Chemistry, Multidisciplinary 98/177, IF2019=2.081). <https://doi.org/10.1007/s11224-021-01780-4>.
40. Snoussi, A.; Essaidi, I.; Ben Haj Koubaiher, H.; Zrelli, H.; Alsafari, I.; Tešić, Ž. Lj.; Mihailovic, J.; Khan, M.; El Omri, A.; Ćirković -Veličković, T.; Bouzouita, N. Drying Methodology Effect on the Phenolic Content, Antioxidant Activity of Myrtus Communis L. Leaves Ethanol Extracts and Soybean Oil Oxidative Stability. *BMC Chemistry* 2021, 15 (1), 31 (Chemistry, Multidisciplinary 103/178, IF2020=2.610). <https://doi.org/10.1186/s13065-021-00753-2>.

41. Popov, N.; Bošković, M.; Perović, M.; Zadro, K.; Gilja, V.; Kratofil Krenula, L.; Robić, M.; Marijan, M.; Ristić, M.; Musić, S.; Stanković, D.; Krehula, S. Effect of Ru<sup>3+</sup> Ions on the Formation, Structural, Magnetic and Optical Properties of Hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) Nanorods. *Journal of magnetism and magnetic materials* 2021, 538, 168316–168321 (Materials Science, Multidisciplinary 188/334, IF2020=2.993). <https://doi.org/10.1016/j.jmmm.2021.168316>.
42. Perendija, J.; Veličković, Z.; Dražević, L.; Stojiljković, I. N.; Milčić, M. K.; Milosavljević, M. M.; Marinković, A.; Pavlović, V. B . Evaluation of Adsorption Performance and Quantum Chemical Modeling of Pesticides Removal Using Cell-MG Hybrid Adsorbent. *Science of Sintering* 2021, 53 (3), 355–378 (Materials Science, Ceramics 14/28, IF2019=1.172). <https://doi.org/10.2298/SOS2103355P>.
43. Petrović, M. S.; Pastor, F.; Đurović, S.; Veljović, S.; Gorjanović, S.; Sredojević , M.; Vukosavljević, P. Evaluation of Novel Green Walnut Liqueur as a Source of Antioxidants: Multi-Method Approach. *Journal of Food Science and Technology-Mysore* 2021, 58 (6), 2160–2169 (Food Science & Technology 74/144, IF2020=2.701). <https://doi.org/10.1007/s13197-020-04726-6>.
44. Dukić -Stefanović, S.; Hang Lai, T.; Toussaint, M.; Clauß, O.; Jevtić, I. I.; Penjišević, J.; Andrić, D.; Ludwig, F. -A.; Gündel, D.; Deuther-Conrad, W.; Kostić -Rajačić, S. V.; Brust, P.; Teodoro, R. In Vitro and in Vivo Evaluation of Fluorinated Indanone Derivatives as Potential Positron Emission Tomography Agents for the Imaging of Monoamine Oxidase B in the Brain. *Bioorganic & Medicinal Chemistry Letters* 2021, 48, 128254 (Chemistry, Organic 25/57, IF2020=2.823). <https://doi.org/10.1016/j.bmcl.2021.128254>.
45. Mihajlović -Lalić, L.; Poljarević, J.; Grgurić -Šipka, S. Metal Complexes with  $\alpha$ -Picolinic Acid Frameworks and Their Antitumor Activity. *Inorganica Chimica Acta* 2021, 527, 120582 (Chemistry, Inorganic & Nuclear 19/45, IF2020=2.545). <https://doi.org/10.1016/j.ica.2021.120582>.
46. Wu, X.; He, K.; Ćirković -Veličković, T.; Liu, Z. Nutritional, Functional, and Allergenic Properties of Silkworm Pupae. *Food Science & Nutrition* 2021, 9 (8), 4655–4665 (Food Science & Technology 68/144, IF2020=2.863). <https://doi.org/10.1002/fsn3.2428>.
47. Karaman, M.; Tesanovic, K.; Gorjanovic, S.; Pastor, F. T.; Simonovic, M.; Glumac, M.; Pejin, B. Polarography as a Technique of Choice for the Evaluation of Total Antioxidant Activity: The Case Study of Selected Coprinus Comatus Extracts and Quinic Acid, Their Antidiabetic Ingredient. *Natural Product Research* 2021, 35 (10), 1711–1716 (Chemistry, Applied 33/74, IF2020=2.862). <https://doi.org/10.1080/14786419.2019.1628753>.
48. Pećinar, I.; Krstić, Đ. D. ; Caruso, G.; Popović -Đorđević, J. Rapid Characterization of Hypanthium and Seed in Wild and Cultivated Rosehip: Application of Raman Microscopy Combined with Multivariate Analysis. *Royal Society Open Science* 2021, 8 (3), 202064 (Multidisciplinary Sciences 28/73, IF2020=2.963). <https://doi.org/10.1098/rsos.202064>.
49. Kojadinović, M. I.; Glibetić, M. D.; Vučić, V. M.; Popović, M.; Vidović, N. Đ.; Debeljak -Martačić, J. D.; Arsić, A. Č. Short -Term Consumption of Pomegranate Juice Alleviates Some Metabolic Disturbances in Overweight Patients with Dyslipidemia. *Journal of Medicinal Food* 2021 (Food Science & Technology 69/144, IF2020=2.786). <https://doi.org/10.1089/jmf.2020.0122>.
50. Mrđan, G. S.; Vastag, G. Gy.; Škorić, D. Đ.; Radanović, M. M.; Verbić, T.; Milčić, M. K.; Stojiljković, I. N.; Marković, O. S .; Matijević, B. M. Synthesis, Physicochemical Characterization, and TD-DFT Calculations of Monothiocarbohydrazone Derivatives. *Structural Chemistry* 2021, 32 (3), 1231–1245 (Chemistry, Multidisciplinary 98/177, IF2019=2.081). <https://doi.org/10.1007/s11224-020-01700-y>.
51. Milovanović, M. R.; Boucher, M.; Cornato n, Y.; Zarić, S. D.; Pfeffer, M.; Djukic, J. -P. The Thermochemistry of Alkyne Insertion into a Palladacycle Outlines the Solvation Conundrum in DFT. *European Journal of Inorganic Chemistry* 2021, 2021 (45), 4690–4699 (Chemistry, Inorganic & Nuclear 16/45, IF2019=2.529). <https://doi.org/10.1002/ejic.202100750>.
52. Vatić, S.; Mirković, N.; Milošević, J. R.; Jovčić, B.; Polović, N. Trypsin Activity and Freeze -Thaw Stability in the Presence of Ions and Non-Ionic Surfactants. *Journal of Bioscience and Bioengineering* 2021, 131 (3), 234–240 (Food Science & Technology 67/144, IF2020=2.894). <https://doi.org/10.1016/j.jbiosc.2020.10.010>.
53. Mészáros, J. P.; Németi, G.; Poljarević, J.; Holczbauer, T.; May, N. V.; Enyedy, É. A. Effect of the Additional Carboxyl Group in Half-Sandwich Organometallic 2,4-Dipicolinate Complexes on Solution Speciation and Structure. *European Journal of Inorganic Chemistry* 2021, 2021 (19), 1858–1868 (Chemistry, Inorganic & Nuclear 16/45, IF2019=2.529). <https://doi.org/10.1002/ejic.202100122>.
54. Cvetković M., Djordjević I., Jadranin M., Stanković M., Mandić B., Milosavljević S. & Vujisić Lj. Leaf-surface guianolides from *Amphoricarpos neumaeyri* showing protective effect on human lymphocytes DNA. *Natural Product Research* (2021), 35(18), 3040-3048.

**IF<2**

55. Orlić, J.; Gržetić, I.; Goessler, W.; Braeuer, S.; Čáslavský, J.; Pořízka, J.; Ilijević, K. Artificial Cellulose Standards as Calibration Standards for Wavelength-Dispersive X-Ray Fluorescence Analysis of Elements in Plant Samples. Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms 2021, 502, 106–117 (Nuclear Science & Technology 16/34, IF2019=1.270). <https://doi.org/10.1016/j.nimb.2021.06.012>.
56. Miličić, L.; Terzić, A.; Pezo, L.; Mijatović, N.; Brčeski, I.; Vukelić, N. Assessment of Efficiency of Rare Earth Elements Recovery from Lignite Coal Combustion Ash via Five-Stage Extraction. Science of Sintering 2021, 53 (2), 169–185 (Materials Science, Ceramics 14/28, IF2019=1.172). <https://doi.org/10.2298/SOS2102169M>.
57. Filipović, S.; Obradović, N.; Andelković, L.; Olćan, D.; Petrović, J. P.; Mirković, M.; Pavlović, V. B.; Jeremić, D.; Vlahović, B.; Đorđević, A. Multiferroic Heterostructure BaTiO<sub>3</sub>/e-Fe<sub>2</sub>O<sub>3</sub> composite Obtained by in Situ Reaction. Science of Sintering 2021, 53 (1), 1–8 (Materials Science, Ceramics 14/28, IF2019=1.172). <https://doi.org/10.2298/SOS2101001F>.
58. Kasalica, B. V.; Miletić, K. M.; Sabovljević, A. D.; Vujićić, M. M.; Jeremić, D. A.; Belča, I. D.; Petković -Benazzouz, M. M. Nondestructive Optical Method for Plant Overall Health Evaluation. Acta Agriculturae Scandinavica, Section B — Soil & Plant Science 2021, 1–7 (Agronomy 48/91, IF2020=1.694). <https://doi.org/10.1080/09064710.2021.1928740>.
59. Burazer, N.; Šajnović, A. M.; Kašanin -Grubin, M.; Radisavljević, M.; Jovančićević, B. Polycyclic Aromatic Hydrocarbons and Their Relationship to Maturity and Paleoenvironmental Settings in Lacustrine Sediments of the Neogene Toplica Basin, Serbia. Journal of Paleolimnology 2021, 66 (3), 187–205 (Limnology 12/21, IF2020=1.930). <https://doi.org/10.1007/s10933-021-00199-5>.
60. Kašanin-Grubin, M.; Hukić, E.; Bellan, M.; Bialek, K.; Bosela, M.; Coll, L.; Czacharowski, M.; Gajica, G.; Giannmarchi, F.; Gömöryová, E.; del Rio, M.; Dinca, L.; Đogo Mračević, S.; Klopčić, M.; Mitrović, S.; Pach, M.; Randelović, D.; Ruiz -Peinado, R.; Skrzyszewski, J.; Orlić, J.; Štrbac, S.; Stojadinović, S.; Tonon, G.; Tosti, T.; Uhl, E.; Veselinović, G.; Veselinović, M.; Zlatanov, T.; Tognetti, R. Soil Erodibility in European Mountain Beech Forests. Canadian Journal of Forest Research 2021, 51 (12), 1846–1855 (Forestry 31/67, IF2020=1.991). <https://doi.org/10.1139/cjfr-2020-0361>.
61. Nešić, J.; Cvjetić, I.; Bogdanov, J.; Marinković, A. Synthesis and Characterization of Azido Esters as Green Energetic Plastics. Propellants, Explosives, Pyrotechnics 2021, 46 (10), 1537–1546 (Chemistry, Applied 41/71, IF2019=1.544). <https://doi.org/10.1002/prep.202100105>.
62. Stevanović, J.; Rakitin, A. R.; Stojanović, K. Correlation between the Stretching Vibrations of Aliphatic Groups and the Structural and Geochemical Properties of Crude Oils of the Same Genetic Type Using the Case of the Turija-Sever Oil Field, Pannonian Basin, Serbia. Petroleum Chemistry 2021, 61 (9), 1002–1010 (Engineering, Petroleum 10/19, IF2019=1.038). <https://doi.org/10.1134/S0965544121090024>.
63. Drvenica, I.; Blažević, I.; Bošković, P.; Bratanić, A.; Bugarski, B.; Bilušić, T. Sinigrin Encapsulation in Liposomes: Influence on in Vitro Digestion and Antioxidant Potential. Polish Journal of Food and Nutrition Sciences 2021, 71 (4), 441–449 (Food Science & Technology 74/139, IF2019=1.986). <https://doi.org/10.31883/pjfnst/143574>.