

## M21:

### IF>5

1. Menghiu, G.; Ostafe, V.; Prodanović, R.; Fischer, R.; Ostafe, R. A High -Throughput Screening System Based on Fluorescence-Activated Cell Sorting for the Directed Evolution of Chitinase A. *International Journal of Molecular Sciences* 2021, 22 (6), 3041 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms22063041>.
2. Aničić, N.; Gašić, U. M.; Lu, F.; Ćirić, A.; Ivanov, M.; Jevtić, B.; Dimitrijević, M.; Andelković, B.; Skorić, M.; Nestorović Živković, J.; Mao, Y.; Liu, J.; Tang, C.; Soković, M.; Ye, Y.; Mišić, D. Antimicrobial and Immunomodulating Activities of Two Endemic Nepeta Species and Their Major Iridoids Isolated from Natural Sources. *Pharmaceutics* 2021, 14 (5), 414 (Chemistry, Medicinal 9/63, IF2020=5.863). <https://doi.org/10.3390/ph14050414>.
3. Perendija, J.; Veličković, Z. S.; Cvjetić, I.; Lević, S.; Marinković, A. D.; Milošević, M.; Onjia, A. Bio -Membrane Based on Modified Cellulose, Lignin, and Tannic Acid for Cation and Oxyanion Removal: Experimental and Theoretical Study. *Process Safety and Environmental Protection* 2021, 147, 609–625 (Engineering, Chemical 22/143, IF2020=6.158). <https://doi.org/10.1016/j.psep.2020.12.027>.
4. Radović Vučić, M.; Baošić, R.; Mitrović, J.; Petrović, M.; Velinov, N.; Kostić, M.; Bojić, A. Comparison of the Advanced Oxidation Processes in the Degradation of Pharmaceuticals and Pesticides in Simulated Urban Wastewater: Principal Component Analysis and Energy Requirements. *Process Safety and Environmental Protection* 2021, 149, 786–793 (Engineering, Chemical 22/143, IF2020=6.158). <https://doi.org/10.1016/j.psep.2021.03.039>.
5. Popović, N.; Stanišić, M.; Ilić Đurđić, K.; Prodanović, O.; Polović, N.; Prodanović, R. Dopamine -Modified Pectin for a Streptomyces Cyaneus Laccase Induced Microbeads Formation, Immobilization, and Textile Dyes Decolorization. *Environmental Technology & Innovation* 2021, 22, 101399 (Biotechnology & Applied Microbiology 31/160, IF2020=5.263). <https://doi.org/10.1016/j.eti.2021.101399>.
6. Kecanjević, I.; Đekić, S.; Lazović, M.; Mrkajić, D.; Baošić, R.; Lolić, A. Evaluation of LC -MS/MS Methodology for Determination of 179 Multi-Class Pesticides in Cabbage and Rice by Modified QuEChERS Extraction. *Food Control* 2021, 123, 107693 (Food Science & Technology 19/144, IF2020=5.548). <https://doi.org/10.1016/j.foodcont.2020.107693>.
7. Arsenijević, D.; Stoja nović, B.; Milovanović, J.; Arsenijević, A.; Simić, M.; Pergal, M. V.; Kodranov, I. D.; Cvetković, O.; Vojvodić, D.; Ristanović, E.; Manojlović, D. D.; Milovanović, M.; Arsenijević, N. Hepatoprotective Effect of Mixture of Dipropyl Polysulfides in Concanav alin A-Induced Hepatitis. *Nutrients* 2021, 13 (3), 1022 (Nutrition & Dietetics 17/88, IF2020=5.719). <https://doi.org/10.3390/nu13031022>.
8. Stojavljević, A.; Rovčanin, M.; Rovčanin, B.; Miković, Ž.; Jeremić, A.; Perović, M.; Manojlović, D. D. Human Biomonitoring of Essential, Nonessential, Rare Earth, and Noble Elements in Placental Tissues. *Chemosphere* 2021, 285, 131518 (Environmental Sciences 30/274, IF2020=7.086). <https://doi.org/10.1016/j.chemosphere.2021.131518>.
9. Lopandić, Z.; Protić -Rosić, I.; Todorović, A.; Glamočlja, S.; Gnjatović, M.; Ćujic , D.; Gavrović -Jankulović, M. IgM and IgG Immunoreactivity of SARS-CoV-2 Recombinant M Protein. *International Journal of Molecular Sciences* 2021, 22 (9), 4951 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms22094951>.
10. Mitrović, A.; Wild, S.; Lloret, V.; Fickert, M.; Asseban, M.; Márkus, B. G.; Simon, F.; Hauke, F.; Abellán, G.; Hirsch, A. Interface Amorphization of Two-Dimensional Black Phosphorus upon Treatment with Diazonium Salts. *Chemistry - A European Journal* 2021, 27, 3361–3366 (Chemistry, Multidisciplinary 52/178, IF2020=5.236). <https://doi.org/10.1002/chem.202003584>.
11. Đurđić, S.; Stanković, V.; Ražić, S.; Mutić, J. Is a Lead Isotope Ratios in Wine Good Marker for Origin Assessment? *Frontiers in Chemistry* 2021, 9, 842 (Chemistry, Multidisciplinary 53/178, IF2020=5.221). <https://doi.org/10.3389/fchem.2021.746695>.
12. Popovic, A. L.; Rusmirovic, J. D.; Velickovic, Z.; Kovacevic, T.; Jovanovic, A.; Cvijetic, I.; Marinkovic, A. D. Kinetics and Column Adsorption Study of Diclofenac and Heavy-Metal Ions Removal by Amino-Functionalized Lignin Microspheres. *Journal of Industrial and Engineering Chemistry* 2021, 93, 302–314 (Engineering, Chemical 23/143, IF2020=6.064). <https://doi.org/10.1016/j.jiec.2020.10.006>.
13. Todorović, Z.; Đurašević, S.; Stojković, M.; Grigorović, I.; Pavlović, S. Z.; Jasnić, N.; Tosti, T.; Macut Bjekić, J.; Thiemermann, C.; Đorđević, J. Lipidomics Provides New Insight into Pathogenesis and Therapeutic Targets of the Ischemia —Reperfusion Injury. *International Journal of Molecular Sciences* 2021, 22 (6), 2798 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms22062798>.

14. Đukanović, N.; Obradović, S.; Zdravković, M.; Đurašević, S.; Stojković, M.; Jasnić, N.; Đorđević, J.; Todorović, Z. B.; Tosti, T. Lipids and Antiplatelet Therapy: Important Considerations and Future Perspectives. *International Journal of Molecular Sciences* 2021, 22 (6), 3180 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms22063180>.
15. Gligorijevic, N.; Radomirovic, M.; Nedic, O.; Stojadinovic, M.; Khulal, U.; Stanic-Vucinic, D.; Cirkovic Velickovic, T. Molecular Mechanisms of Possible Action of Phenolic Compounds in COVID-19 Protection and Prevention. *International Journal of Molecular Sciences* 2021, 22 (22), 12385 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms222212385>.
16. Vrhovac, L.; Šelemenjev, S. A.; Vatić, S.; Mitrović, A.; Milošević, J.; Lolić, A.; Beletić, A. D.; Polović, N. Novel Approach to the Measurement of Antithyroglobulin Antibodies in Human Serum – Application of the Quartz Crystal Microbalance Sensors. *Talanta* 2021, 223, 121588 (Chemistry, Analytical 12/87, IF2020=6.057). <https://doi.org/10.1016/j.talanta.2020.121588>.
17. Pantić, N.; Prodanović, R.; Ilić Đurđić, K.; Polović, N.; Spasojević, M.; Prodanov ić, O. Optimization of Phenol Removal with Horseradish Peroxidase Encapsulated within Tyramine-Alginate Micro-Beads. *Environmental Technology & Innovation* 2021, 21, 101211 (Biotechnology & Applied Microbiology 31/160, IF2020=5.263). <https://doi.org/10.1016/j.eti.2020.101211>.
18. Brdarić, E.; Soković Bajić, S.; Đokić, J.; Đurđić, S.; Ruas -Madiedo, P.; Stevanović, M.; Tolinački, M.; Dinić, M.; Mutić, J.; Golić, N.; Živković, M. Protective Effect of an Exopolysaccharide Produced by Lactiplantibacillus Plantarum BGAN8 Against Cadmium-Induced Toxicity in Caco-2 Cells. *Frontiers in Microbiology* 2021, 12, 3222 (Microbiology 28/137, IF2020=5.640). <https://doi.org/10.3389/fmicb.2021.759378>.
19. Đapović, M.; Milivojević, D.; Ilić -Tomić, T.; Lješević, M.; Nikolaivits, E.; Topakas, E.; Maslak, V.; Nikodinović -Runić, J. Synthesis and Characterization of Polyethylene Terephthalate (PET) Precursors and Potential Degradation Products: Toxicity Study and Application in Discovery of Novel PETases. *Chemosphere* 2021, 275, 130005 (Environmental Sciences 30/274, IF2020=7.086). <https://doi.org/10.1016/j.chemosphere.2021.130005>.
20. Đurašević, S.; Ružičić, A.; Lakić, I.; Tosti, T.; Đurović, S.; Glumac, S.; Pavlović, S.; Borković -Mitić, S.; Grigorov, I.; Stanković, S.; Jasnić, N.; Đorđević, J.; Todorović, Z. The Effects of a Meldonium Pre -Treatment on the Course of the Faecal-Induced Sepsis in Rats. *International Journal of Molecular Sciences* 2021, 22 (18), 9698 (Biochemistry & Molecular Biology 67/296, IF2020=5.924). <https://doi.org/10.3390/ijms22189698>.
21. Takić, M. M.; Zeković, M.; Terzić, B.; Stojasavljević, A.; Mijusković, M.; Rađen, S.; Ristić -Medić, D. Zinc Deficiency, Plasma Fatty Acid Profile and Desaturase Activities in Hemodialysis Patients: Is Supplementation Necessary? *Frontiers in Nutrition* 2021, 8, 688 (Nutrition & Dietetics 12/88, IF2020=6.576). <https://doi.org/10.3389/fnut.2021.700450>.
22. Malenov, D. P.; Zarić, S. D. New Type of Aromatic π -Systems for Anion Recognition: Strong Anion-π and C–H···Anion Interactions Between Halides and Aromatic Ligands in Half-Sandwich Compounds. *Chemistry - A European Journal* 2021, 27 (71), 17862–17872 (Chemistry, Multidisciplinary 52/178, IF2020=5.236). <https://doi.org/10.1002/chem.202102896>.
- IF 4-5**
23. Ivanovska, A.; Veljović, S.; Dojčinović, B.; Tadić, N.; Mihajlovski, K.; Natić, M.; Kostić, M. A Strategy to Revalue a Wood Waste for Simultaneous Cadmium Removal and Wastewater Disinfection. *Adsorption Science & Technology* 2021, 2021, e3552300 (Chemistry, Applied 18/74, IF2020=4.232). <https://doi.org/10.1155/2021/3552300>.
24. Khulal, U.; Ghnimi, S.; Stevanović, N.; Rajković, A.; Ćirković -Veličković, T. Aggregability and Digestibility Study of Fruit Juice Fortified Camel Milk Powder Proteins. *LWT* 2021, 152, 112250 (Food Science & Technology 29/144, IF2020=4.952). <https://doi.org/10.1016/j.lwt.2021.112250>.
25. Fotirić -Akšić, M. M.; Lazarević, K. B.; Šegan, S. B.; Natić, M.; Tosti, T.; Čirić, I.; Meland, M. Assessing the Fatty Acid, Carotenoid, and Tocopherol Compositions of Seeds from Apple Cultivars (*Malus Domestica* Borkh.) Grown in Norway. *Foods* 2021, 10 (8), 1956 (Food Science & Technology 37/144, IF2020=4.350). <https://doi.org/10.3390/foods10081956>.
26. Stojiljković, I. N.; Rančić, M.; Marinković, A.; Cvjetić, I.; Milčić, M. K. Assessing the Potential of Para -Donor and Para-Acceptor Substituted 5-Benzylidenebarbituric Acid Derivatives as Push–Pull Electronic Systems: Experimental and Quantum Chemical Study. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2021, 253, 119576 (Spectroscopy 5/43, IF2020=4.098). <https://doi.org/10.1016/j.saa.2021.119576>.

27. Natić, M.; Dabić Zagorac, D.; Gašić, U. M.; Dojčinović, B. P.; Ćirić, I.; Relić, D.; Todić, S.; Sredojević, M. Autochthonous and International Grape Varieties Grown in Serbia - Phenolic and Elemental Composition. *Food Bioscience* 2021, 40, 100889 (Food Science & Technology 38/144, IF2020=4.240). <https://doi.org/10.1016/j.fbio.2021.100889>.
28. Đurđić, S.; Stanković, V.; Vlahović, F.; Ognjanović, M.; Kalcher, K.; Manojlović, D. D.; Mutić, J.; Stanković, D. Carboxylate d Single-Wall Carbon Nanotubes Decorated with SiO<sub>2</sub> Coated-Nd<sub>2</sub>O<sub>3</sub> Nanoparticles as an Electrochemical Sensor for L-DOPA Detection. *Microchemical Journal* 2021, 168, 106416 (Chemistry, Analytical 16/87, IF2020=4.821). <https://doi.org/10.1016/j.microc.2021.106416>.
29. Stanković, D.; Ognjanović, M.; Fabián, M.; Avdin, V. V.; Manojlović, D. D.; Vranješ -Đurić, S.; Petković, B. B. CeO<sub>2</sub> - Doped – Domestic Carbon Material Decorated with MWCNT as an Efficient Green Sensing Platform for Electrooxidation of Dopamine. *Surfaces and Interfaces* 2021, 25, 101211 (Materials Science, Coatings & Films 4/21, IF2020=4.837). <https://doi.org/10.1016/j.surfin.2021.101211>.
30. Mutić, J.; Jovanović, V.; Jacxsens, L.; Tondeleir, J.; Ristivojević, P.; Đurđić, S.; Rajković, A.; Ćirković -Veličković, T. Chemical Content of Five Molluscan Bivalve Species Collected from South Korea: Multivariate Study and Safety Evaluation. *Foods* 2021, 10 (11), 2690 (Food Science & Technology 37/144, IF2020=4.350). <https://doi.org/10.3390/foods10112690>.
31. Stanišić, M. D.; Popović Kokar, N.; Ristić, P.; Balaž, A. M.; Senčanski, M.; Ognjanović, M.; Đokić, V. R.; Prodanović, R.; Todorović, T. Chemical Modification of Glycoproteins' Carbohydrate Moiety as a General Strategy for the Synthesis of Efficient Biocatalysts by Biomimetic Mineralization: The Case of Glucose Oxidase. *Polymers* 2021, 13 (22), 3875 (Polymer Science 18/91, IF2020=4.329). <https://doi.org/10.3390/polym13223875>.
32. Nikolić, A.; Stanić, J.; Zlatar, M.; Gruden, M.; Andelković, B.; Selaković, Ž.; Ajdačić, V.; Opsenica, I. Controlling Pd-Catalyzed N-Arylation and Dimroth Rearrangement in the Synthesis of N,1-Diaryl-1H-Tetrazol-5-Amines. *The Journal of Organic Chemistry* 2021, 86 (6), 4794–4803 (Chemistry, Organic 12/57, IF2020=4.354). <https://doi.org/10.1021/acs.joc.1c00282>.
33. Živković, J. M.; Stanković, I. M.; Ninković, D.; Zarić, S. D. Decisive Influence of Environment on Aromatic/Aromatic Interactions Geometries. Comparison of Aromatic/Aromatic Interactions in Crystal Structures of Small Molecules and in Protein Structures. *Crystal Growth & Design* 2021, 21 (4), 1898–1904 (Crystallography 5/26, IF2019=4.089). <https://doi.org/10.1021/acs.cgd.0c01514>.
34. Borković Mitić, S.; Stojsavljević, A.; Vjotić, L.; Matić, S.; Mitić, B.; Manojlović, D.; Pavlović, S. Differences between Antioxidant Defense Parameters and Specific Trace Element Concentrations in Healthy, Benign, and Malignant Brain Tissues. *Scientific Reports* 2021, 11, 14776 (Multidisciplinary Sciences 17/73, IF2020=4.380). <https://doi.org/10.1038/s41598-021-94302-5>.
35. Fermo, P.; Comite, V.; Sredojević, M.; Ćirić, I.; Gašić, U.; Mutić, J.; Baošić, R.; Tešić, Ž. Lj. Elemental Analysis and Phenolic Profiles of Selected Italian Wines. *Foods* 2021, 10 (1), 158 (Food Science & Technology 37/144, IF2020=4.350). <https://doi.org/10.3390/foods10010158>.
36. Jagodić, J.; Rovčanin, B.; Krstić, Đ.; Paunović, I.; Živaljević, V.; Manojlović, D. D.; Stojsavljević, A. Elemental Profiling of Adrenal Adenomas in Solid Tissue and Blood Samples by ICP-MS and ICP-OES. *Microchemical Journal* 2021, 165, 106194 (Chemistry, Analytical 16/87, IF2020=4.821). <https://doi.org/10.1016/j.microc.2021.106194>.
37. Margetić, A.; Stojanović, S.; Ristović, M.; Vujičić, Z.; Dojnov, B. Fungal Oxidative and Hydrolyzing Enzymes as Designers in the Biological Production of Dietary Fibers from Triticale. *LWT - Food Science and Technology* 2021, 145, 111291 (Food Science & Technology 29/144, IF2020=4.952). <https://doi.org/10.1016/j.lwt.2021.111291>.
38. Ilić Đurđić, K.; Ostafe, R.; Prodanović, O.; Đurđević Đelmaš, A.; Popović, N.; Fischer, R.; Schillberg, S.; Prodanović, R. Improved Degradation of Azo Dyes by Lignin Peroxidase Following Mutagenesis at Two Sites near the Catalytic Pocket and the Application of Peroxidase-Coated Yeast Cell Walls. *Frontiers of Environmental Science & Engineering* 2021, 15 (2), 19 (Environmental Sciences 68/265, IF2019=4.053). <https://doi.org/10.1007/s11783-020-1311-4>.
39. Đurđić, S. Z.; Stanković, V.; Vlahović, F.; Ognjanović, M.; Kalcher, K.; Ćirković -Veličković, T.; Mutić, J.; Stanković, D. Laccase Polyphenolic Biosensor Supported on MnO<sub>2</sub>@GNP Decorated SPCE: Preparation, Characterization, and Analytical Application. *Journal of The Electrochemical Society* 2021, 168 (3), 037510 (Materials Science, Coatings & Films 5/21, IF2020=4.316). <https://doi.org/10.1149/1945-7111/abeaf2>.
40. Peruško, M.; Ghnimi, S.; Simović, A.; Stevanović, N. R.; Radomirović, M. Ž.; Gharsallaoui, A.; Smiljanić, K.; Van Haute, S.; Stanić -Vučinić, D.; Ćirković -Veličković, T. Maillard Reaction Products Formation and Antioxidative Power of Spray Dried Camel Milk Powders Increases with the Inlet Temperature of Drying. *LWT* 2021, 143, 111091 (Food Science & Technology 29/144, IF2020=4.952). <https://doi.org/10.1016/j.lwt.2021.111091>.

41. Gligorijević, N.; Minić, S.; Radibratović, M.; Papadimitriou, V.; Nedić, O.; Sotirodis, T. G.; Nikolić, M. Nutraceutical Phycocyanobilin Binding to Catalase Protects the Pigment from Oxidation without Affecting Catalytic Activity. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2021, 251, 119483 (Spectroscopy 5/43, IF2020=4.098). <https://doi.org/10.1016/j.saa.2021.119483>.
42. Spasojević, P.; Šešlja, S.; Marković, M.; Pantić, O.; Antić, K.; Spasojević, M. Optimization of Reactive Diluent for Bio-Based Unsaturated Polyester Resin: A Rheological and Thermomechanical Study. *Polymers* 2021, 13 (16), 2667 (Polymer Science 18/91, IF2020=4.329). <https://doi.org/10.3390/polym13162667>.
43. Mendaš, G.; Herceg Romanić, S.; Jovanović, G.; Anićić Urošević, M.; Ilić, M.; Milićević, T.; Popović, A. Organochlorines Burden in Moss H. Cupressiforme and Topsoil across Serbia. *Environmental Geochemistry and Health* 2021, 43 (1), 273–283 (Environmental Sciences 81/274, IF2020=4.609). <https://doi.org/10.1007/s10653-020-00704-1>.
44. Bayram, N. E.; Gercek, Y. C.; Çelik, S.; Mayda, N.; Kostić, A. Ž.; Dramićanin, A. M.; Özök, A. Phenolic and Free Amino Acid Profiles of Bee Bread and Bee Pollen with the Same Botanical Origin – Similarities and Differences. *Arabian Journal of Chemistry* 2021, 138, 110739 (Chemistry, Multidisciplinary 45/177, IF2019=4.762). <https://doi.org/10.1016/j.arabjc.2021.103004>.
45. Milinčić, D. D.; Stanislavljević, N. S.; Kostić, A. Ž.; Soković Bajić, S.; Kojić, M. O.; Gašić, U. M.; Barać, M. B.; Stanojević, S. P.; Tešić, Ž. Lj.; Pešić, M. B. Phenolic Compounds and Biopotential of Grape Pomace Extracts from Prokupac Red Grape Variety. *LWT* 2021, 138, 110739 (Food Science & Technology 29/144, IF2020=4.952). <https://doi.org/10.1016/j.lwt.2020.110739>.
46. Leong, P. P. T.; Mihajlović, A.; Bogdanović, N.; Breberina, L. M.; Xi, L. Reconstructing and Counting Genomic Fragments through Tagmentation-Based Haplotype Phasing. *Scientific Reports* 2021, 11 (1), 18907 (Multidisciplinary Sciences 17/73, IF2020=4.380). <https://doi.org/10.1038/s41598-021-97852-w>.
47. Micić, D.; Đurović, S.; Riabov, P.; Tomić, A.; Šovljanski, O.; Filip, S.; Tosti, T.; Dođčinović, B.; Božović, R.; Jovanović, D.; Blagojević, S. Rosemary Essential Oils as a Promising Source of Bioactive Compounds: Chemical Composition, Thermal Properties, Biological Activity, and Gastronomical Perspectives. *Foods* 2021, 10 (11), 2734 (Food Science & Technology 37/144, IF2020=4.350). <https://doi.org/10.3390/foods10112734>.
48. Blagojević Filipović, J. P.; Zarić, S. D. Significant Stacking Interactions of Resonance-Assisted Hydrogen-Bridged (RAHB) Rings at Large Horizontal Displacements. *Crystal Growth & Design* 2021, 21 (9), 4947–4958 (Crystallography 5/26, IF2019=4.089). <https://doi.org/10.1021/acs.cgd.1c00392>.
49. Kojić, I.; Bechtel, A.; Aleksić, N.; Životić, D.; Trifunović, S. S.; Gajica, G.; Stojanović, K. A. Study of the Synergetic Effect of Co-Pyrolysis of Lignite and High-Density Polyethylene Aiming to Improve Utilization of Low-Rank Coal. *Polymers* 2021, 13 (5), 759 (Polymer Science 18/91, IF2020=4.329). <https://doi.org/10.3390/polym13050759>.
50. Đurašević, S.; Stojković, M.; Sopta, J.; Pavlović, S. Z.; Borković-Mitić, S.; Ivanović, A.; Jasnić, N.; Tosti, T.; Đurović, S.; Đorđević, J.; Todorović, Z. The Effects of Meldonium on the Acute Ischemia/Reperfusion Liver Injury in Rats. *Scientific Reports* 2021, 11 (1), 1305 (Multidisciplinary Sciences 17/73, IF2020=4.380). <https://doi.org/10.1038/s41598-020-80011-y>.
51. Šuljagić, M.; Vulić, P.; Jeremić, D.; Pavlović, V. B.; Filipović, S.; Kilanski, L.; Lewinska, S.; Slawska-Waniewska, A.; Milenković, M. R.; Nikolić, A. S.; Andelković, L. The Influence of the Starch Content on the Magnetic Properties of Nanosized Cobalt Ferrites Obtained by Different Synthetic Methods. *Materials Research Bulletin* 2021, 134, 111117 (Materials Science, Multidisciplinary 94/314, IF2019=4.019). <https://doi.org/10.1016/j.materresbull.2020.111117>.
52. Nikodijević, D. D.; Milutinović, M. G.; Cvetković, D. M.; Ćupurdija, M. Đ.; Jovanović, M. M.; Mrkić, I. V.; Jankulović-Gavrović, M. Đ.; Marković, S. D. Impact of Bee Venom and Melittin on Apoptosis and Biotransformation in Colorectal Carcinoma Cell Lines. *Toxin Reviews* 2021, 40 (4), 1272–1279 (Toxicology 17/93, IF2020=4.266). <https://doi.org/10.1080/15569543.2019.1680564>.
53. Nikkhah, A.; Van Haute, S.; Jovanović, V.; Jung, H.; Dewulf, J.; Ćirković-Veličković, T.; Ghnimi, S. Life Cycle Assessment of Edible Insects (*Protaetia Brevitarsis Seulensis Larvae*) as a Future Protein and Fat Source. *Scientific Reports* 2021, 11 (1), 14030 (Multidisciplinary Sciences 17/73, IF2020=4.380). <https://doi.org/10.1038/s41598-021-93284-8>.
54. Sofrenić, I., Andelković, B., Todorović, N., Stanojković, T., Vujišić, Lj., Novaković, M. Milosavljević, S. Tešević, V., Cytotoxic triterpenoids and triterpene sugar esters from the medicinal mushroom *Fomitopsis betulina*, *Phytochemistry* 2021, 181, 112580, (Plant Sciences 44/235, IF2020=4.072) <https://doi.org/10.1016/j.phytochem.2020.112580>
- IF 3-4**
55. Ristić, P.; Filipović, N.; Blagojević, V.; Ćirković, J.; Barta Holló, B.; Đokić, V. R.; Donnard, M.; Gulea, M.; Marjanović, I.; Klisurić, O. R.; Todorović, T. 2D and 3D Silver-Based Coordination Polymers with Thiomorpholine-4-Carbonitrile and

- Piperazine-1,4-Dicarbonitrile: Structure, Intermolecular Interactions, Photocatalysis, and Thermal Behavior. CrystEngComm 2021, 23 (27), 4799–4815 (Crystallography 6/25, IF2020=3.545). <https://doi.org/10.1039/d1ce00394a>.
56. Kretić, D. S.; Radovanović, J.; Veljković, D. Ž. Can the Sensitivity of Energetic Materials Be Tuned by Using Hydrogen Bonds? Another Look at the Role of Hydrogen Bonding in the Design of High Energetic Compounds. Physical Chemistry Chemical Physics 2021, 23 (12), 7472–7479 (Physics, Atomic, Molecular & Chemical 8/37, IF2020=3.676). <https://doi.org/10.1039/D1CP00189B>.
57. Čolić, S. D.; Bakić, I. V.; Dabić -Zagorac, D.; Natić, M.; Smailagić, A.; Per gal, M. V.; Pešić, M. B.; Milinčić, D. D.; Rabrenović, B. B.; Fotirić -Akšić, M. M. Chemical Fingerprint and Kernel Quality Assessment in Different Grafting Combinations of Almond Under Stress Condition. Scientia Horticulturae 2021, 275, 109705 (Horticulture 4/37, IF2020=3.463). <https://doi.org/10.1016/j.scienta.2020.109705>.
58. Korica, M.; Peršin, Z.; Zemljić, L. F.; Mihajlovski, K.; Dojčinović, B. P.; Trifunović, S. S.; Vesel, A.; Nikolić, T.; Kostić, M. M. Chitosan Nanoparticles Functionalized Viscose Fabrics as Potentially Durable Antibacterial Medical Textiles. Materials 2021, 14 (13) (Metallurgy & Metallurgical Engineering 17/80, IF2020=3.623). <https://doi.org/10.3390/ma14133762>.
59. Orlić, J.; Gržetić, I.; Ilijević, K. Effect of Sample Preparation Procedure on Standardless Wavelength Dispersive X -Ray Fluorescence Analysis of Plant Samples. Spectrochimica Acta Part B: Atomic Spectroscopy 2021, 184, 106258 (Spectroscopy 8/43, IF2020=3.752). <https://doi.org/10.1016/j.sab.2021.106258>.
60. Petrović, M. S.; Veljović, S.; Tomić, N.; Zlatanović, S.; Tosti, T.; Vukosavljević, P. V.; Gorjanović, S. Formulation of Novel Liqueurs from Juice Industry Waste: Consumer Acceptance, Phenolic Profile and Preliminary Monitoring of Antioxidant Activity and Colour Changes during Storage. Food Technology and Biotechnology 2021, 59 (3), 282–294 (Food Science & Technology 42/144, IF2020=3.168). <https://doi.org/10.17113/ftb.59.03.21.6759>.
61. Veljković, I. S.; Kretić, D. S.; Veljković, D. Ž. Geometrical and Energetic Characteristics of Se – Se Interactions in Crystal Structures of Organoselenium Molecules. CrystEngComm 2021, 23 (18), 3383–3390 (Crystallography 6/25, IF2020=3.545). <https://doi.org/10.1039/D1CE00129A>.
62. Đunović, A. B.; Veljković, D. Ž. Halogen Bonds as a Tool in the Design of High Energetic Materials: Evidence from Crystal Structures and Quantum Chemical Calculations. CrystEngComm 2021, 23 (39), 6915–6922 (Crystallography 6/25, IF2020=3.545). <https://doi.org/10.1039/D1CE00854D>.
63. Aćimović, M.; Ljujić, J.; Vulić, J.; Zheljazkov, V. D.; Pezo, L.; Varga, A.; Tumbas Šaponjac, V. Helichrysum italicum (Roth) G. Don Essential Oil from Serbia: Chemical Composition, Classification and Biological Activity—May It Be a Suitable New Crop for Serbia? Agronomy 2021, 11 (7), 1282 (Agronomy 16/91, IF2020=3.417). <https://doi.org/10.3390/agronomy11071282>.
64. Devrnja, N.; Krstić Milošević, D.; Janošević, D.; Tešević, V.; Vinterhalter, B.; Savić, J.; Ćalić, D. In Vitro Cultivation of Tansy (Tanacetum vulgare L.): A Tool for the Production of Potent Pharmaceutical Agents. Protoplasma 2021, 258, 587–599 (Plant Sciences 62/235, IF2020=3.356). <https://doi.org/10.1007/s00709-020-01588-9>.
65. Silva, T. F. D.; Gomes, S. B. C.; Silva, F. S. D.; Stojanović, K. A.; Castro, R. N.; Filho, J. G. M.; Santos, M. Lipid Composition of the Microbial Mat from a Hypersaline Environment (Vermelha Lagoon, Rio de Janeiro, Brazil). Journal of Sedimentary Research 2021, 91 (4), 349–361 (Geology 9/48, IF2020=3.324). <https://doi.org/10.2110/jsr.2021.01>.
66. Grubisa, I.; Janković, M.; Nikolić, N.; Jakšić, V. Z.; Risimić, D.; Mavija, M.; Stamenković, M. R.; Zlatović, M.; Milašin, J. Novel TEAD1 Gene Variant in a Serbian Family with Sveinsson's Chorioretinal Atrophy. Experimental Eye Research 2021, 207, 108575 (Ophthalmology 17/62, IF2020=3.467). <https://doi.org/10.1016/j.exer.2021.108575>.
67. Malagurski, I.; Frison, R.; Maurya, A. K.; Neels, A.; Andelković, B.; Sentharamakannan, R.; Babu, R. P.; O'Connor, K. E.; Witko, T.; Solarz, D.; Nikodinović -Runić, J. Polyhydroxyoctanoate Films Reinforced with Titanium Dioxide Microfibers for Biomedical Application. Materials Letters 2021, 285, 129100 (Physics, Applied 43/155, IF2019=3.204). <https://doi.org/10.1016/j.matlet.2020.129100>.
68. Milenković, I.; Radotić, K.; Trifković, J.; Vujišić, L.; Beškoski, V. Screening of Semi -Volatile Compounds in Plants Treated with Coated Cerium Oxide Nanoparticles by Comprehensive Two-Dimensional Gas Chromatography. Journal of Separation Science 2021, 44 (11), 2260–2268 (Chemistry, Analytical 25/87, IF2020=3.645). <https://doi.org/10.1002/jssc.202100145>.
69. Stevanović, N.; Mazzeo, P. P.; Bacchi, A.; Matić, I. Z.; Đordić Crnogorac, M.; Stanojković, T.; Vujić, M.; Novaković, I. T.; Radanović, D.; Šumar-Ristović, M.; Sladić, D.; Čobeljić, B.; Andelković, K. K. Synthesis, Characterization, Antimicrobial and Cytotoxic Activity and DNA-Binding Properties of d-Metal Complexes with Hydrazones of Girard's T

and P Reagents. JBIC Journal of Biological Inorganic Chemistry 2021, 26, 863–880 (Chemistry, Inorganic & Nuclear 13/45, IF2020=3.358). <https://doi.org/10.1007/s00775-021-01893-5>.

70. Stupar, S.; Dragičević, M.; Tešević, V.; Stanković -Jeremić, J.; Maksimović, V.; Čosić, T.; Devrnja, N.; Tubić, L.; Cingel, A.; Vinterhalter, B.; Ninković, S.; Savić, J. Trans criptome Profiling of the Potato Exposed to French Marigold Essential Oil with a Special Emphasis on Leaf Starch Metabolism and Defense against Colorado Potato Beetle. Plants 2021, 10 (1), 172 (Plant Sciences 47/235, IF2020=3.935). <https://doi.org/10.3390/plants10010172>.

#### IF 2-3

71. Cvijanović, V.; Sarić, B.; Dramićanin, A.; Kodranov, I.; Manojlović, D. D.; Momirović, N.; Momirović, N.; Milojković - Opsenica, D. Content and Distribution of Macroelements, Microelements, and Rare-Earth Elements in Different Tomato Varieties as a Promising Tool for Monitoring the Distinction between the Integral and Organic Systems of Production in Zeleni Hit—Official Enza and Vitalis Trial and Breeding Station. Agriculture (Switzerland) 2021, 11 (10), 1009 (Agronomy 20/91, IF2020=2.925). <https://doi.org/10.3390/agriculture11101009>.

72. Platanić Arizanović, L.; Nikolić -Kokić, A.; Brkljačić, J.; Tatalović, N.; Miler, M.; Oreščanin -Dušić, Z.; Vidonja Uzelac, T.; Nikolić, M.; Milošević, V.; Blagojević, D.; Spasić, S.; Miljević, Č. Effects of Several Atypical Antipsychotics Clopipride, Sertindole or Ziprasidone on Hepatic Antioxidant Enzymes: Possible Role in Drug-Induced Liver Dysfunction. Journal of Toxicology and Environmental Health. Part A 2021, 84 (4), 173–182 (Public, Environmental & Occupational Health 75/285, IF2019=2.653). <https://doi.org/10.1080/15287394.2020.1844827>.

73. Kolarević, T.; Milinčić, D. D.; Vujović, T.; Gašić, U. M.; Prokić, L.; Kostić, A. Ž.; Cerović, R.; Stanojević, S. P.; Tešić, Ž. Lj.; Pešić, M. B. Phenolic Compounds and Antioxidant Properties of Field-Grown and In Vitro Leaves, and Calluses in Blackberry and Blueberry. Horticulturae 2021, 7 (11), 420 (Horticulture 8/37, IF2020=2.331). <https://doi.org/10.3390/horticulturae7110420>.

74. Vranić, S.; Vesović, N.; Vujišić, L.; Pavlović, D.; Pantelić, D.; Todosijević, M.; Ćurčić, S. Pygidial Glands of Three Ground Beetle Taxa (Insecta, Coleoptera, Carabidae): A Study on Their Morphology and Chemical Composition of Their Secretions. Zoology 2021, 148, 125948 (Zoology 44/175, IF2020=2.240). <https://doi.org/10.1016/j.zool.2021.125948>.

75. Campos, M. G.; Anjos, O.; Chica, M.; Campoy, P.; Nozkova, J.; Almaraz-Abarca, N.; Barreto, L. M. R. C.; Nordi, J. C.; Estevinho, L. M.; Pascoal, A.; Paula, V. B.; Chopina, A.; Dias, L. G.; Tešić, Ž. Lj.; Mosić, M.; Kostić, A. Ž.; Pešić, M. B.; Milojković -Opsenica, D.; Sickel, W.; Ankenbrand, M. J.; Grimmer, G.; Steffan-Dewenter, I.; Keller, A.; Förster, F.; Tananaki, C. H.; Liolios, V.; Kanelis, D.; Rodopoulou, M.-A.; Thrasivoulou, A.; Paulo, L.; Kast, C.; Lucchetti, M. A.; Glauser, G.; Lokutova, O.; de Almeida-Muradian, L. B.; Szczęsna, T.; Carreck, N. L. Standard Methods for Pollen Research. Journal of Apicultural Research 2021, 60 (4), 1–109 (Entomology 22/102, IF2020=2.584). <https://doi.org/10.1080/00218839.2021.1948240>.

76. Kamar A., Petrović M., Mihajlovski K., Mandić B., Vuković G., Blagojević S. and Kostić M.. Selected aromatic plants extracts as an antimicrobial and antioxidant finish for cellulose fabric- Direct impregnation method Fibers and Polymers. Fibers and Polymers (2021), 22(12), 3317-3325.

#### IF<2

77. Vranić, S.; Ćurčić, S.; Vesović, N.; Mandić, B.; Pantelić, D.; Vasović, M.; Lazović, V.; Zhang, W.; Vujišić, L. Chemistry and Morphology of the Pygidial Glands in Four Pterostichini Ground Beetle Taxa (Coleoptera: Carabidae: Pterostichinae). Zoology 2020, 142, 125772, (Zoology 40/170, IF2018=1.779). <https://doi.org/10.1016/j.zool.2020.125772>.