

IF 4-5

1. Krstić, G.; Saidu, M. B.; Barta, A.; Vágvölgyi, M.; Ali, H.; Zupkó, I.; Berkecz, R.; Gallah, U. S.; Rédei, D.; Hohmann, J. Anticancer Meroterpenoids from *Centrapalus Pauciflorus* Leaves: Chromone- and 2,4-Chromadione-Monoterpene Derivatives. *ACS Omega* **2023**, *8* (34), 31389–31398 (Chemistry, Multidisciplinary 69/178, IF2022=4.1). <https://doi.org/10.1021/acsomega.3c03884>.
2. Radaković-Ćosić, J.; Miković, Ž.; Mandić-Rajčević, S.; Sudar-Milovanović, E.; Stojavljević, A.; Nikolić, G.; Radojičić, O.; Perović, M. Does Controlled Ovarian Stimulation during in Vitro Fertilization Affect the Level of Nitric Oxide a Potential Indicator of Oocyte Quality? *Medical Hypotheses* **2023**, *174*, 111061 (Medicine, Research & Experimental 54/136, IF2022=4.7). <https://doi.org/10.1016/j.mehy.2023.111061>.
3. Krstić, M.; Teslić, N.; Bošković, P.; Obradović, D.; Zeković, Z. P.; Milić, A.; Pavlić, B. Isolation of Garlic Bioactives by Pressurized Liquid and Subcritical Water Extraction. *Molecules* **2023**, *28* (1), 369 (Chemistry, Multidisciplinary 63/178, IF2022=4.6). <https://doi.org/10.3390/molecules28010369>.
4. Simić, K.; Miladinović, Z. P.; Todorović, N.; Trifunović, S. S.; Avramović, N.; Gavrilović, A.; Jovanović, S.; Gođevac, D.; Vujisić, L. V.; Tešević, V.; Tasić, L.; Mandić, B. Metabolomic Profiling of Bipolar Disorder by 1H-NMR in Serbian Patients. *Metabolites* **2023**, *13* (5), 607 (Biochemistry & Molecular Biology 112/285, IF2022=4.1). <https://doi.org/10.3390/metabo13050607>.
5. Đurović, S.; Micić, D.; Šorgić, S.; Popov, S.; Gašić, U. M.; Tosti, T.; Kostić, M.; Smyatskaya, Y. A.; Blagojević, S.; Zeković, Z. Recovery of Polyphenolic Compounds and Vitamins from the Stinging Nettle Leaves: Thermal and Behavior and Biological Activity of Obtained Extracts. *Molecules* **2023**, *28* (5), 2278 (Chemistry, Multidisciplinary 63/178, IF2022=4.6). <https://doi.org/10.3390/molecules28052278>.
6. Jakšić, J.; Solymosi, I.; Hirsch, A.; Pérez-Ojeda, M. E.; Mitrović, A.; Maslak, V. Sugar-Bridged Fullerene Dumbbells and Their Interaction with the [10]Cycloparaphenylene Nanoring. *Chemistry – A European Journal* **2023**, *29* (44), e202301061 (Chemistry, Multidisciplinary 66/178, IF2022=4.3). <https://doi.org/10.1002/chem.202301061>.
7. Jović, M. D.; Agatonovic-Kustrin, S.; Ristivojević, P. M.; Trifković, J. n.; Morton, D. W. Bioassay-Guided Assessment of Antioxidative, Anti-Inflammatory and Antimicrobial Activities of Extracts from Medicinal Plants via High-Performance Thin-Layer Chromatogra-

phy. *Molecules* **2023**, *28* (21) (Biochemistry & Molecular Biology 97/285, IF2022=4.6). <https://doi.org/10.3390/molecules28217346>.

IF 3-4

1. Pastor, F. T.; Dojčinović, B. P.; Kodranov, I. D.; Gorjanović, S. Ž.; Ivanović, T.; Popović, D. Ž.; Miladinović, J. 2 in 1 versus 1 plus 1 – Outcomes of the Transformation of Adsorptive Stripping Method for the Ni²⁺ and Co²⁺ Determination. *Electroanalysis* **2023** (Chemistry, Analytical 39/86, IF2022=3.0). <https://doi.org/10.1002/elan.202300259>.
2. Marković, A.; Savić, S. D.; Kukuruzar, A.; Konya, Z.; Manojlović, D. D.; Ognjanović, M.; Stanković, D. Differently Prepared PbO₂/Graphitic Carbon Nitride Composites for Efficient Electrochemical Removal of Reactive Black 5 Dye. *Catalysts* **2023**, *13* (2), 328 (Chemistry, Physical 71/161, IF2022=3.9). <https://doi.org/10.3390/catal13020328>.
3. Mitrović, A.; Milovanović, J.; Gurgul, J.; Žekić, A.; Nikodinović-Runić, J.; Maslak, V. Enzymatic Functionalization of Liquid Phase Exfoliated Graphene Using Horseradish Peroxidase and Laccase. *Enzyme and Microbial Technology* **2023**, *170*, 110293 (Biotechnology & Applied Microbiology 72/159, IF2022=3.4). <https://doi.org/10.1016/j.enzmictec.2023.110293>.
4. Šokarda Slavić, M.; Kojić, M.; Margetić, A.; Ristović, M.; Pavlović, M.; Nikolić, S.; Vujčić, Z. Improvement of Nutritional and Bioactive Properties of Barley β -Glucan-Based Food Products Using *Bacillus Subtilis* 168 Endo- β -1,3-1,4-Glucanase. *International Journal of Food Science & Technology* **2023**, *58* (12), 6825–6835 (Food Science & Technology 60/142, IF2022=3.3). <https://doi.org/10.1111/ijfs.16647>.
5. Veljović, S.; Petrović, M.; Jovanović, M.; Mitić-Ćulafić, D.; Semen, T. Ž.; Kostić, M.; Natić, M. Industrial Solid Wastes from *Ganoderma Lucidum* Extract Production: Chemical Characterization and Investigation of Antioxidant, Photoprotective and Cytotoxic Activities. *Journal of Food Measurement and Characterization* **2023**, *17* (4), 3673–3682 (Food Science & Technology 69/142, IF2022=3.2). <https://doi.org/10.1007/s11694-023-01897-6>.
6. Koračak, L.; Lupšić, E.; Terzić-Jovanović, N.; Jovanović, M.; Novaković, M. M.; Nedičalkov, P.; Trendafilova, A.; Zlatović, M.; Pešić, M.; Opsenica, I. Novel Artesunate–Pyrimidine-Based Hybrids with Anticancer Potential against Multidrug-Resistant Cancer Cells. *New Journal of Chemistry* **2023**, *47* (14), 6844–6855 (Chemistry, Multidisciplinary 86/178, IF2022=3.3). <https://doi.org/10.1039/D3NJ00427A>.
7. Topakas, E.; Siaperas, R.; Taxeidis, G.; Makryniotis, K.; Guzik, M.; Maslak, V.; Beškoski, V.; Lončarević, B.; Ilić-Tomić, T.; Milivojević, D.; Škaro Bogojević, S.; Pantelić, B. Set of Small Molecule Polyurethane (PU) Model Substrates: Ecotoxicity Evaluation and Identifica-

- tion of PU Degrading Biocatalysts. *Catalysts* **2023**, *13* (2), 278 (Chemistry, Multidisciplinary 71/161, IF2022=3.9). <https://doi.org/10.3390/catal13020278>.
8. Rodríguez-Castillo, M.; Monge, M.; Holló, B. B.; Padrón, J. M.; Puerta, A.; Sousa, S. F.; Fernandes, H. S.; Blagojević, V.; Višnjevac, A.; Olszewski, M.; Maciejewska, N.; Araškov, J. Structural, Physicochemical and Anticancer Study of Zn Complexes with Pyridyl-Based Thiazolyl-Hydrazones. *Journal of Molecular Structure* **2023**, *1281*, 135157 (Chemistry, Physical 74/161, IF2022=3.8). <https://doi.org/10.1016/j.molstruc.2023.135157>.
 9. Višnjevac, A.; Araškov, J.; Nikolić, M.; Bojić-Trbojević, Ž.; Pirković, A.; Dekanski, D.; Mitić, D.; Blagojević, V. A.; Filipović, N. R.; Todorović, T. Zn(II) Complexes with Pyridyl-Based 1,3-Selen/Thiazolyl-Hydrazones: A Comparative Study. *Journal of Molecular Structure* **2023**, *1281*, 135193 (Chemistry, Physical 74/161, IF2022=3.8). <https://doi.org/10.1016/j.molstruc.2023.135193>.
 10. Šoštarić, T. D.; Simić, M.; Lopičić, Z.; Zlatanović, S.; Pastor, F.; Antanasković, A.; Gorjanović, S. Food Waste (Beetroot and Apple Pomace) as Sorbent for Lead from Aqueous Solutions—Alternative to Landfill Disposal. *Processes* **2023**, *11* (5), 1343 (Engineering, Chemical 64/143, IF2022=3.5). <https://doi.org/10.3390/pr11051343>.
 11. Popović, B.; Mitrović, O.; Nikićević, N.; Tešević, V.; Urošević, I.; Miletić, N.; Milojević, S. Influence of Different Pre-Distillation Steps on Aromatic Profile of Plum Spirits Produced by Traditional and Modified Methods. *Processes* **2023**, *11* (3), 863 (Engineering, Chemical 64/143, IF2022=3.5). <https://doi.org/10.3390/pr11030863>.
 12. Dorm, B. C.; Rosas Costa Iemma, M.; Domingos Neto, B.; Lopes Francisco, R. C.; Dinić, I.; Ignjatović, N.; Marković, S.; Vuković, M.; Škapin, S.; Trovatti, E.; Mančić, L. Synthesis and Biological Properties of Alanine-Grafted Hydroxyapatite Nanoparticles. *Life* **2023**, *13* (1), 116 (Biology 34/92, IF2022=3.2). <https://doi.org/10.3390/life13010116>.
 13. Antunović, V.; Blagojević, D.; Baošić, R.; Relić, D.; Lolić, A. Health Risk Assessment of Heavy Metals in Soil, Plant, and Water Samples near “Gacko” Power Plant, in Bosnia and Herzegovina. *Environmental Monitoring and Assessment* **2023**, *195* (5), 596 (Environmental Sciences 156/275, IF2022=3.0). <https://doi.org/10.1007/s10661-023-11232-7>.
 14. Milićević, T.; Relić, D.; Aničić Urošević, M.; Castanheiro, A.; Roganović, J.; Samson, R.; Popović, A. R. Non-Destructive Techniques for the Determination of Magnetic Particle and Element Contents in Grapevine Leaves and Soil as an Eco-Sustainable Tool for Environmental Pollution Assessment in the Agricultural Areas. *Environmental Monitoring and Assessment* **2023**, *195* (7), 858 (Environmental Sciences 156/275, IF2022=3.0). <https://doi.org/10.1007/s10661-023-11402-7>.
 15. Pavličková, M.; Đurđić, S.; Hatala, M.; Stanković, D.; Švorc, L.; Veteška, P.; Gemeiner, P. Pad Printing Inks Based on Reduced Graphene Oxide and Various Cellulose Binders: Rheo-

logical Properties, Printability and Application in Electrochemical Sensors. *Journal of Applied Polymer Science* **2023**, 140 (42), e54570 (Polymer Science 43/86, IF2022=3.0). <https://doi.org/10.1002/app.54570>.

16. Đogo-Mračević, S.; Laketić, T.; Stanković, M.; Lolić, A. Toxic Element Determination in Selected Cosmetic Products: Health Risk Assessment. *Environ Monit Assess* **2023**, 195 (9), 1059 (Environmental Sciences 156/275, IF2022=3.0). <https://doi.org/10.1007/s10661-023-11664-1>.
17. Araškov, J.B.; Maciejewska, N.; Olszewski, M.; Višnjevac, A.; Blagojević, S.; Fernandes, H.S.; Sousa, S.F.; Puerta, A.; Padrón, J.M.; Holló, B.B.; Monge, M.; Rodríguez-Castillo, M.; López-de-Luzuriaga, J.-M.; Uğuz, O.; Koca, A.; Todorović, T.R.; Filipović, N.R.; Structural, physicochemical and anticancer study of Zn complexes with pyridyl-based thiazolyl-hydrazones, *Journal of Molecular Structure* **2023**, 1281, 135157 (Chemistry, Physical 74/161, IF2022=3.8). <https://doi.org/10.1016/j.molstruc.2023.135157>

IF 2-3

1. Ivanović, T.; Popović, D. Ž.; Miladinović, J.; Miladinović, Z. P.; Pastor, F. Activity Coefficients of the System $\{y\text{KCl} + (1 - y)\text{KH}_2\text{PO}_4\}$ (Aq) at T = 298.15 K Determined by Cell Potential Measurements. *Journal of Chemical & Engineering Data* **2023**, 68 (2), 405–415 (Journal of Chemical & Engineering Data 103/178, IF2022=2.6) (Chemistry, Multidisciplinary 103/178, IF2022=2.6). <https://doi.org/10.1021/acs.jced.2c00704>.
2. Štrbac, S.; Veselinović, G.; Antić, N.; Mijatović, N.; Stojadinović, S.; Jovančičević, B.; Kašanin-Grubin, M. The Macro- and Microelements Content in Cedrus Atlantica (Endl.) Manetti Ex Carrière (Pinaceae) Needles as an Indicator for Assessing the Environmental Status. *Trees* **2023**, 37 (4), 1013–1025 (Forestry 27/69, IF2022=2.3). <https://doi.org/10.1007/s00468-023-02401-9>.
3. Putica, K. Development and Validation of a Four-tier Test for the Assessment of Secondary School Students' Conceptual Understanding of Amino Acids, Proteins, and Enzymes. *Research in Science Education* **2023**, 53, 651–668 (Education & Educational Research 140/269, IF2022=2.3). <https://doi.org/10.1007/s11165-022-10075-5>.
4. Adejumo, T. T.; Danopoulou, M.; Zorba, L. P.; Pevec, A.; Zlatar, M.; Radanović, D.; Savić, M.; Gruden, M.; Anđelković, K. K.; Turel, I.; Čobeljić, B.; Vougioukalakis, G. C. Correlating Structure and KA2 Catalytic Activity of ZnII Hydrazone Complexes. *European Journal of Inorganic Chemistry* **2023**, 26 (33), e202300193 (Chemistry, Inorganic & Nuclear 21/42, IF2022=2.3). <https://doi.org/10.1002/ejic.202300193>.
5. Živković, J. M.; Zarić, S. D. Correlation of Electrostatic Potentials and Electron Accepting Properties of Fluorinated Cubanes. *Chemical Physics Letters* **2023**, 823, 140509 (Chemistry, Physical 105/161, IF2022=2.8). <https://doi.org/10.1016/j.cplett.2023.140509>.

6. Ristivojević, P.; Nešić, J.; Andrić, F.; Nedić, N.; Stanisavljević, L.; Milojković-Opsenica, D.; Trifković, J. Elemental Profile of Propolis from Different Areas of Serbia. *Chemistry & Biodiversity* **2023**, *20* (3), e202201140 (Biochemistry & Molecular Biology 192/285, IF2022=2.9). <https://doi.org/10.1002/cbdv.202201140>.
7. Mosić, M. D.; Trifković, J.; Ristivojević, P.; Milojković-Opsenica, D. Quality Assessment of Bee Pollen-Honey Mixtures Using Thin-Layer Chromatography in Combination with Chemometrics. *Chemistry & Biodiversity* **2023**, *20* (3), e202201141 (Chemistry, Multidisciplinary 97/178, IF2022=2.9). <https://doi.org/10.1002/cbdv.202201141>.
8. Kokić, B.; Vulović, B.; Jović, M.; Andrijević, A.; Ajdačić, V.; Opsenica, I. M. Strategies for Carbon Electrophile Addition to Carbonyls and Imines by Cobalt Catalysis. *European Journal of Organic Chemistry* **2023**, *26* (45), e202300997 (Chemistry, Organic 16/53, IF2022=2.8). <https://doi.org/10.1002/ejoc.202300997>.
9. Jednak Berić, T.; Avdalović, J.; Milić, J.; Teofilović, V.; Vrvić, M.; Jovančičević, B.; Miletić, S. The Influence on Microorganisms of Heavy Metals from Refiner's Spent Desulphurisation Catalysts. *Chemistry and Ecology* **2023**, *39* (2) (Ecology 88/171, IF2022=2.5). <https://doi.org/10.1080/02757540.2022.2158185>.
10. Stojičkov, M.; Zlatar, M.; Mazzeo, P. P.; Bacchi, A.; Radanović, D.; Stevanović, N.; Jevtović, M.; Novaković, I. T.; Anđelković, K. K.; Sladić, D.; Čobeljić, B.; Gruden, M. The Interplay between Spin States, Geometries and Biological Activity of Fe(III) and Mn(II) Complexes with Thiosemicarbazone. *Polyhedron* **2023**, *237*, 116389 (Chemistry, Inorganic & Nuclear 20/42, IF2022=2.6). <https://doi.org/10.1016/j.poly.2023.116389>.
11. Vranić, S.; Vujisić, L. V.; Vesović, N.; Todosijević, M.; Pavićević, M.; Radović, D.; Ćurčić, S. On the Diversity of Semiochemicals of the Pygidial Gland Secretions of Subterranean Ground Beetles (Coleoptera: Carabidae). *Diversity* **2023**, *15* (2) (Ecology 90/171, IF2022=2.4). <https://doi.org/10.3390/d15020136>.

IF 1-2

1. Knežević, A.; Đokić, I.; Tosti, T.; Popović, S.; Milojković-Opsenica, D. White-Rot Fungal Pretreatment of Wheat Straw: Effect on Enzymatic Hydrolysis of Carbohydrate Polymers. *Cellulose Chemistry and Technology* **2023**, *57* (7–8), 815–829 (Materials Science, Paper & Wood 12/21, IF2022=1.3). <https://doi.org/10.35812/CelluloseChemTechnol.2023.57.72>.
2. Pavlović, R.; Dojnov, B.; Šokarda Slavić, M.; Pavlović, M.; Slomo, K.; Ristović, M.; Vujčić, Z. In Pursuit of the Ultimate Pollen Substitute (Insect Larvae) for Honey Bee (*Apis Mellifera*) Feed. *Journal of Apicultural Research* **2023**, *62* (5), 1007–1016 (Entomology 32/100, IF2022=1.9). <https://doi.org/10.1080/00218839.2022.2080950>.