

## IF 5-10

1. Kokanović, A.; Pupavac, D.; Chenot, S.; Guilet, S.; Opsenica, I. M.; Stankic, S. Single-Step in Situ Synthesis of Bimetallic Catalysts via a Gas-Phase Route: The Case of PdZn–ZnO. *Catalysis Science & Technology* **2024**, *14* (21), 6321–6330 (Chemistry, Physical 61/161, IF2022=5.0). <https://doi.org/10.1039/D4CY00807C>.

## IF 4-5

1. Lukić, M.; Avdalović, J.; Gojgić-Cvijović, G. D.; Žerađanin, A.; Mrazovac Kurilić, S.; Ilić, M.; Miletić, S. B.; Vrvic, M.; Beškoski, V. Industrial-Scale Bioremediation of a Hydrocarbon-Contaminated Aquifer's Sediment at the Location of a Heating Plant, Belgrade, Serbia. *Clean Technologies and Environmental Policy* **2024**, *26* (6), 1785–1798 (Engineering, Environmental 27/54, IF 2023=4.2). <https://doi.org/10.1007/s10098-023-02724-8>.
2. Andjelković, L.; Šuljagić, M.; Pavlović, V.; Mirković, M.; Vrbica, B.; Novaković, I.; Stanković, D.; Kremenović, A.; Uskoković, V. Mechanical Activation and Silver Supplementation as Determinants of the Antibacterial Activity of Titanium Dioxide Nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **2024**, *691*, 133890 (Chemistry, Physical 55/161, IF2023=4.9). <https://doi.org/10.1016/j.colsurfa.2024.133890>.
3. Škaro Bogojević, S.; Perminova, D.; Jakšić, J.; Milčić, M. K.; Medaković, V.; Milovanović, J.; Nikodinović-Runić, J.; Maslak, V. Novel Cinnamic Acid-Based PET Derivatives as Quorum Sensing Modulators. *Journal of Molecular Structure* **2024**, *1300*, 137291 (Chemistry, Physical 65/161, IF2023=4.0). <https://doi.org/10.1016/j.molstruc.2023.137291>.
4. Chen, A.; Zhang, X. D.; Đurđević Đelmaš, A.; Weitz, D. A.; Milcic, K. Systems and Methods for Continuous Evolution of Enzymes. *Chemistry – A European Journal* **2024**, *30* (43), e202400880 (Chemistry, Multidisciplinary 66/178, IF 2022=4.3). <https://doi.org/10.1002/chem.202400880>.

## IF 3-4

1. Korina, E.; Karaberova, A.; Bol'shakov, O.; Bulatova, E.; Golovin, M.; Abramyan, A.; Stanković, D. Enhancing Adrenaline Sensing with Lanthanum Cuprate: A Promising Approach for a Novel Sensor. *Journal of the Electrochemical Society* **2024**, *171* (1) (Materials Science, Coatings & Films 8/20, IF2023=3.1). <https://doi.org/10.1149/1945-7111/ad1ecb>.
2. Kocić, J.; Zečević, N.; Jagodić, J.; Ardalić, D.; Miković, Ž.; Kotur-Stevuljević, J.; Manojlović, D. D.; Stojsavljević, A. Exploring Serum Trace Element Shifts: Implications for Cervical Intraepithelial Neoplasia. *Journal of Trace Elements in Medicine and Biology* **2024**, *86*, 127531 (Endocrinology & Metabolism 60/143, IF2023=3.6). <https://doi.org/10.1016/j.jtemb.2024.127531>.
3. Stojsavljević, A.; Jagodić, J.; Pavlović, S.; Dinčić, E.; Kuveljić, J.; Manojlović, D. D.; Živković, M. Essential Trace Element Levels in Multiple Sclerosis: Bridging Demographic and Clinical Gaps, Assessing the Need for Supplementation. *Journal of Trace Elements in Medicine and Biology* **2024**, *83*, 127421 (Endocrinology & Metabolism 60/143, IF2023=3.6). <https://doi.org/10.1016/j.jtemb.2024.127421>.

4. Pastor, F.; Dojčinović, B. P.; Kodranov, I. D.; Gorjanović, S.; Ivanović, T.; Popović, D. Ž.; Miladinović, J. 2 in 1 versus 1 plus 1 – Outcomes of the Transformation of Adsorptive Stripping Method for the Ni<sup>2+</sup> and Co<sup>2+</sup> Determination. *Electroanalysis* **2024**, *36* (1), e202300259 (Electrochemistry 20/30, IF2022=3.0). <https://doi.org/10.1002/elan.202300259>.
5. Dević, G. N.; Pergal, M. V.; Pergal, M. M. Ecological and Health Risk Assessment of Nitrates and Heavy Metals in the Groundwater of the Alluvial Area of the Danube River near Kostolac Basin, Serbia. *Water* **2024**, *16* (13), 1839 (Water Resources 34/99, IF2023=3.0). <https://doi.org/10.3390/w16131839>.
6. Stanković, V.; Đurđić, S. Z.; Ognjanović, M.; Zlatić, G.; Stanković, D. Triangle-Shaped Cerium Tungstate Nanoparticles Used to Modify Carbon Paste Electrode for Sensitive Hydroquinone Detection in Water Samples. *Sensors* **2024**, *24* (2), 705 (Instruments & Instrumentation 23/63, IF 2023=3.4). <https://doi.org/10.3390/s24020705>.
7. Petrović, M. S.; Tomić, N.; Mandić, B.; Wan Mohtar, W. A. A. Q. I.; Krstić, G.; Veljović, S. Possibility of Sugar Substitution with Steviol- Glycosides in Elderflower Liqueur Production: Consumer Acceptance, Sugar Content, Antioxidant Activity and Phenolic Profile. *Journal of Food Measurement and Characterization* **2024**, *18* (9), 7916–7926 (Food Science & Technology 58/142, IF 2022=3.4). <https://doi.org/10.1007/s11694-024-02774-6>.

### IF 2-3

1. Radović, B.; Tasić, V.; Kovačević, R.; Apostolovski-Trujić, T.; Manojlović, D. D.; Cocić, M.; Urošević, T. Chemical Composition of PM<sub>10</sub> in a Classroom near the Copper Smelter in Bor, Serbia. *Atmosphere* **2024**, *15* (8), 920 (Meteorology & Atmospheric Sciences 57/94, IF2022=2.9). <https://doi.org/10.3390/atmos15080920>.
2. Kovačević, R.; Radović, B.; Manojlović, D.; Urošević, T.; Apostolovski-Trujić, T.; Tasić, V.; Jovašević-Stojanović, M. Determining the PM<sub>10</sub> Pollution Sources near the Copper Smelter in Bor, Serbia. *Atmosphere* **2024**, *15* (12), 1498 (Meteorology & Atmospheric Sciences 57/94, IF2022=2.9). <https://doi.org/10.3390/atmos15121498>.
3. Nedić, N.; Tadić, T.; Marković, B.; Nastasović, A.; Popović, A.; Bulatović, S. Eco-Friendly Green Approach to the Biosorption of Hazardous Dyes from Aqueous Solution on Ragweed (*Ambrosia Artemisiifolia*) Biomass. *Separations* **2024**, *11* (11), 310 (Chemistry, Analytical 49/86, IF2023=2.5). <https://doi.org/10.3390/separations11110310>.
4. Radoičić, A.; Šegan, S.; Milojković-Opsenica, D. Exploring Separation Mechanisms and Lipophilicity in Hydrophilic Interaction Chromatography Conditions by Thin-Layer Chromatography of Anesthetics and Adjuvant Drugs as Polar Model Compounds. *Journal of Separation Science* **2024**, *47* (12), 2400099 (Chemistry, Analytical 37/86, IF2023=2.8). <https://doi.org/10.1002/jssc.202400099>.
5. Kostić, A. Ž.; Dramićanin, A. M.; Milinčić, D. D.; Pešić, M. B. Exploring the Botanical Origins of Bee-Collected Pollen: A Comprehensive Historical and Contemporary Analysis. *Chemistry & Biodiversity* **2024**, *21* (7), e202400194 (Chemistry, Multidisciplinary 103/175, IF2023=2.3). <https://doi.org/10.1002/cbdv.202400194>.
6. Djordjevic Aleksic, J.; Kolarević, S.; Jovanović Marić, J.; Kračun-Kolarević, M.; Žegura, B.; Štern, A.; Sladić, D.; Novaković, I.; Vuković- Gačić, B. Influence of Alkylthio and Arylthio Derivatives of Tert-Butylquinone on the Induction of DNA Damage in a Human

- Hepatocellular Carcinoma Cell Line (HepG2). *Toxicology in Vitro* **2024**, *99*, 105882 (Toxicology 53/94, IF2023=2.6). <https://doi.org/10.1016/j.tiv.2024.105882>.
7. Ivković, Đ.; Cvijetić, I.; Radoičić, A.; Stojković-Filipović, J.; Trifković, J.; Krstić Ristivojević, M.; Ristivojević, P. NADES-Based Extracts of Selected Medicinal Herbs as Promising Formulations for Cosmetic Usage. *Processes* **2024**, *12* (5), 992 (Engineering, Chemical 70/143, IF 2023=2.8). <https://doi.org/10.3390/pr12050992>.
  8. Jovančićević, B.; Stojanović, K. A.; Životić, D. Organic Geochemical Study of Aleksinac Oil Shale. *International Journal of Earth Sciences* **2024**, *113*, 1819–1839 (Geosciences, Multidisciplinary 117/202, IF2022=2.3). <https://doi.org/10.1007/s00531-024-02413-x>.
  9. Mijatović, A.; Šeba, T.; Gligorijević, N.; Čočić, D.; Spasić, S.; Lolić, A.; Arandelović, S.; Nikolić, M.; Gabričević, M.; Baošić, R. Promising in Vitro and in Silico Biological Activity of Tetradentate Schiff Base Copper(II) Complexes with a Propylenediamine Bridge. *New Journal of Chemistry* **2024**, *48* (13), 5959–5970 (Chemistry, Multidisciplinary 94/175, IF2023=2.7). <https://doi.org/10.1039/D3NJ05270B>.
  10. Lukić, M.; Daković, A.; Joksimović, K.; Milić, J.; Obradović, M.; Beškoski, V.; Avdalović, J. Removal of Diesel from Aqueous Solutions by a Combined Adsorption and Microbial Degradation Process. *Minerals* **2024**, *14* (12), 1287 (Mining & Mineral Processing 8/20, IF 2023=2.2). <https://doi.org/10.3390/min14121287>.
  11. Protić, S.; Crnoglavac Popović, M.; Kaličanin, N.; Prodanović, O.; Senčanski, M.; Milićević, J.; Stevanović, K.; Perović, V.; Paessler, S.; Prodanović, R.; Glišić, S. SARS-CoV-2 PLpro Inhibition: Evaluating in Silico Repurposed Fidaxomicin's Antiviral Activity Through In Vitro Assessment. *ChemistryOpen* **2024**, *13* (11), e202400091 (Chemistry, Multidisciplinary 98/175, IF2023=2.5). <https://doi.org/10.1002/open.202400091>.
  12. Milić, J.; Šolević Knudsen, T.; Kojić, I.; Avdalović, J.; Ilić, M.; Vrvić, M. M. Short-Term Study of Biological Degradation of Diesel Oil by Bacteria Isolated from Petroleum-Contaminated Soil. *Chemistry and Ecology* **2024**, *40* (7), 835–858 (Ecology 88/171, IF2022=2.5). <https://doi.org/10.1080/02757540.2024.2356565>.
  13. Vikhareva, I. N.; Manojlović, D. The Effect of the Structure of the Alcohol Component on the Plasticizing Ability of the Ester of Aliphatic Dicarboxylic Acid. *Applied Sciences* **2024**, *14* (23), 10953 (Engineering, Multidisciplinary 39/91, IF 2023=2.5). <https://doi.org/10.3390/app142310953>.
  14. Araškov, J. B.; Garcia-Sosa, A. T.; Višnjevac, A.; Sousa, S. F.; Holló, B. B.; Uğuz, Ö.; Koca, A.; Monge, M.; Rodríguez-Castillo, M.; López-de-Luzuriaga, J. M.; Todorović, T. R.; Filipović, N. R. Structural Insights and Photophysical Properties of Mononuclear and Pentanuclear Zn(II) Acetate Complexes with Pyridyl-Based Thiazolyl-Hydrazones. *Polyhedron* **2024**, *262*, 117162 (Chemistry, Inorganic & Nuclear 20/42, IF2022=2.6). <https://doi.org/10.1016/j.poly.2024.117162>.
  15. Petrović, T.; Dimitrijević, M.; Mihajlović-Lalić, L.; Stanković, D.; Vlahović, F.; Grgurić-Šipka, S.; Mihajilov-Krstev, T.; Miladinović, D.; Poljarević, J. Synthesis and Antimicrobial Activity of New Pyridine-Based Half-Sandwich Ru(II) Complexes. *Journal of Coordination Chemistry* **2024**, *77* (7–8), 750–765 (Chemistry, Inorganic & Nuclear 22/42, IF2023=2.2). <https://doi.org/10.1080/00958972.2024.2307911>.

16. Matošević, A.; Bartolić, M.; Maraković, N.; Zandona, A.; Petrić, R.; Opsenica, D.; Bosak, A. Synthesis and Biological Evaluation of Novel Aminoquinolines with an N-Octyl Linker: Impact of Halogen Substituents on C(7) or a Terminal Amino Group on Anticholinesterase and BACE1 Activity. *Bioorganic & Medicinal Chemistry Letters* **2024**, *112*, 129928 (Chemistry, Organic 16/52, IF2023=2.5). <https://doi.org/10.1016/j.bmcl.2024.129928>.
17. Uzelac, T.; Takić, M.; Stevanović, V.; Vidović, N.; Pantović, A.; Jovanović, P.; Jovanović, V. B. The Potential Benefits of Acute Aronia Juice Supplementation on Physical Activity Induced Alterations of the Serum Protein Profiles in Recreational Runners: A Pilot Study. *Healthcare* **2024**, *12*, 1276 (Health Policy & Services 44/87, IF 2023=2.4). <https://doi.org/10.3390/healthcare12131276>.

## IF 1-2

1. Milenković, K.; Mrmošanin, J.; Petrović, S.; Mitov, D.; Zlatković, B.; Mutić, J.; Kostić, D.; Tošić, S.; Pavlović, A. Elemental Composition of Rosa L. Fruits: Optimization and Validation Procedure of an ICP AES Method. *Not Bot Horti Agrobo* **2024**, *52* (4), 13959 (Plant Sciences 138/239, IF2022=1.8). <https://doi.org/10.15835/nbha52413959>.
2. Veljković, I. S.; Đunović, A. B.; Veljković, D. Ž. Influence of Halogen Substituents on Sensitivity towards Detonation of Polycyclic Nitroaromatic High-Energy Molecules. *Journal of Physical Organic Chemistry* **2024**, *37* (10), e4649 (Chemistry, Organic 27/52, IF2023=1.9). <https://doi.org/10.1002/poc.4649>.