

## IF 2-3

1. Jednak Berić, T.; Vrvić, M.; Lješević, M.; Avdalović, J.; Ilić, M.; Crnković, D.; Jovančićević, B.; Miletić, S. B. Testing of the Bioremediation on Model Substrates for Complex Refinery Contaminants Arising from Accidental or Deliberate Facility Damage. *Environmental Chemistry* **2024**, *21* (5), EN23111 (Chemistry, Analytical 56/86, IF 2023=2.0). <https://doi.org/10.1071/EN23111>.
2. Abramyan, A.; Golovin, M.; Zakharchenkova, V.; Lalov, A.; Stanković, D. M.; Bol'shakov, O. Sensing Reaching the Stars: Mild Condition ZnO Defect Development for Vitamin Detection. *Journal of Solid State Electrochemistry* **2024** (Electrochemistry 22/30, IF 2023=2.6). <https://doi.org/10.1007/s10008-024-06020-3>.

## IF 1-2

1. Anicic, U.; Radnovic, D.; Ilic, M.; Krmar, M.; Kodranov, I.; Relic, D.; Popovic, A. Atmospheric Deposition of Potentially Toxic Elements over the Territory of Serbia Assessed by Moss Biomonitoring in Five-Year Time: 2015 vs. 2020. *Journal of the Serbian Chemical Society* **2024**, *89* (12), 1543–1557 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240906100U>.
2. Vukićević, E.; Isailović, J.; Gajica, G.; Antić, V.; Jovančićević, B. Biochar from Agricultural Biomass: Green Material as an Ecological Alternative to Solid Fossil Fuels. *Journal of the Serbian Chemical Society* **2024**, *89* (6), 907–919 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240126048V>.
3. Smailagić, A.; Veljović, S.; Lević, S.; Šolević Knudsen, T.; Nedović, V.; Pavlović, V.; Natić, M. Chemical Characterization of Different Wood Fragments and Their Volatile Composition in Model Spirit Solutions. *Chemical Industry & Chemical Engineering Quarterly* **2024**, *30* (4), 275–284 (Chemistry, Applied 55/71, IF 2023=1.0). <https://doi.org/10.2298/CICEQ230309015S>.
4. Šegan, S. B.; Krunić, M. J.; Andrić, D.; Šukalović, V. B.; Penjišević, J. Z.; Jevtić, I. I. Evaluation of Lipophilicity and Drug-Likeness of Donepezil-like Compounds Using Reversed-Phase Thin-Layer Chromatography. *Biomedical Chromatography* **2024**, *38* (7), e5867 (Biochemical Research Methods 60/77, IF 2023=1.8). <https://doi.org/10.1002/bmc.5867>.
5. Stanojevic, A.; Vrvić, M.; Száková, J.; Miletić, S. B. Evaluation of the Ex-Situ Bioremediation of the Petroleum Hydrocarbons Contaminated Soil. *Bioremediation Journal* **2024**, *28* (4) (Environmental Sciences 206/275, IF 2023=1.9). <https://doi.org/10.1080/10889868.2023.2283580>.
6. Đurašinović, T.; Bazović, V.; Nešić, A. N.; Ramdan, A.; Mahfoud, A.; Trbojević-Ivić, J.; Gavrović-Jankulović, M. Expression, Purification and Partial Characterization of Recombinant S-Adenosyl-L-Homocysteine Hydrolase from Banana. *Applied Biochemistry and Microbiology* **2024**, *60*, 1153–1161 (Microbiology 129/134, IF 2023=1.0). <https://doi.org/10.1134/S000368382460489X>.

7. Golovin, M.; Seredova, M.; Kuznetsov, M.; Stanković, V.; Mutić, T.; Stanković, D.; Bol'shakov, O. Hematite Defect Development for Gallic Acid Sensing. *ChemistrySelect* **2024**, *9* (39) (Chemistry, Multidisciplinary 120/175, IF 2023=1.9). <https://doi.org/10.1002/slct.202403073>.
8. Surudžić, N.; Simić, M.; Crnoglavac-Popović, M.; El, G. R.; Spasojević-Savković, M.; Prodanović, R.; Prodanović, O. Immobilization of Periodate-Oxidized Horseradish Peroxidase by Adsorption on Sepiolite. *Journal of the Serbian Chemical Society* **2024**, *89* (10), 1269–1283 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC231227068S>.
9. Jovanović, V. B.; Nikolić, M.; Stojanović, S. Đ. In Silico Studies of Phycobilins as Potential Candidates for Inhibitors of Viral Proteins Associated with COVID-19. *Journal of Serbian Chemical Society* **2024**, *89* (7–8), 997–1009 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240326052J>.
10. Nikolovski, Z.; Sajnovic, A.; Gajica, G.; Burazer, N.; Brceski, I.; Dabic, P.; Jovancicevic, B. Maturation Changes of Hydrocarbons in Solid Parts of Peloids from Serbian Spas - Catalytic Influence of Clay Minerals. *Journal of the Serbian Chemical Society* **2024**, *89* (12), 1559–1570 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240912099N>.
11. Đurković, F.; Zlatović, M.; Sladić, D.; Novaković, I.; Bihelović, F.; Ferjančić, Z. N-2 Alkylated Analogues of Aza-Galactofagomine as Potential Inhibitors of  $\beta$ -Glucosidase. *Journal of the Serbian Chemical Society* **2024**, *89* (10), 1255–1267 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240315062D>.
12. Isailovic, J.; Vukicevic, E.; Antic, M.; Schwarzbauer, J.; Ignjatovic, L.; Gajica, G.; Antic, V. Pyrolysis of Corn Stalks: The Potential of Using Bio-Oil as a Fuel. *Journal of the Serbian Chemical Society* **2024**, *89* (12), 1675–1687 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC240110043I>.
13. Radoičić, A.; Ristivojević, P.; Radosavljević-Stevanović, N. Recent Applications of High-Performance Thin-Layer Chromatography (HPTLC) in Forensic Drug Analysis. *JPC – Journal of Planar Chromatography – Modern TLC* **2024**, *37*, 407–414 (Chemistry, Analytical 76/86, IF 2023=1.1). <https://doi.org/10.1007/s00764-024-00320-0>.
14. Radosavljević-Stevanović, N.; Andrić, F.; Manojlović, D.; Ristivojević, P. M. Green Analytical Strategy for Distinguishing Cannabis Sativa L. Chemotypes via Planar Chromatography and Partial Least Squares Regression. *JPC – Journal of Planar Chromatography – Modern TLC* **2024**, *37*, 499–509 (Chemistry, Analytical 76/86, IF 2023=1.1). <https://doi.org/10.1007/s00764-025-00329-z>.
15. Andrić, D.; Dukić-Stefanović, S.; Krunić, M. J.; Jevtić, I. I.; Penjišević, J. Z.; Šukalović, V. B.; Kostić-Rajačić, S. Synthesis, Computational and Pharmacological Evaluation of Novel N-{4-[2-(4-Aryl-Piperazin-1-Yl)Ethyl]Phenyl}-Arylamides. *Journal of the Serbian Chemical Society* **2024**, *89* (3), 291–303 (Chemistry, Multidisciplinary 149/175, IF2023=1.0). <https://doi.org/10.2298/JSC230906076A>.
16. Aćimović, M.; Stanković Jeremić, J.; Todosijević, M.; Cvetković, M.; Lončar, B.; Vukić, V.; Erceg, T.; Pezo, L.; Zheljazkov, V. The Influence of Weather Conditions on the Immortelle Volatile Constituents from Essential Oil and Hydrosol with a Focus on Italidiones and Its

Molecular Docking Anti-Inflammatory Potential. *Natural Product Communications* **2024**, 19 (9) (Chemistry, Medicinal 48/60, IF 2023=1.5). <https://doi.org/10.1177/1934578X241284735>.

17. Kokić, B. Z.; Ajdačić, V. D.; Opsenica, I. M.; Zlatović, M. V. Introductory concept for teaching chirality – Symmetry of the asymmetric. *The Journal of the Serbian Chemical Society* 2024, 89, 1241-1253. M23, Chemistry, Multidisciplinary (149/175), IF2023 = 1,0. <https://doi.org/10.2298/JSC230803032K>

18. Holik, A.-A. J., Trivić, D. D. (2024). The effects of online learning about the Brønsted-Lowry theory of acids and bases in the first grade of grammar school during the COVID-19 pandemic, *J. Serb. Chem. Soc.* 89(2), 275-289. <https://doi.org/10.2298/JSC230330059H>

#### IF 0-1

1. Trmčić, M.; Vulović, B.; Zlatař, M.; Saičić, R. Preparation of Cyclopropanone 2,2,2-Trifluoroethoxy Hemiacetals via Oxyallyl Cation. *ARKIVOC - Online Journal of Organic Chemistry* **2024**, 2024 (2) (Chemistry, Organic 44/52, IF 2023=0.8). <https://doi.org/10.24820/ark.5550190.p012.123>.

#### M51 или M23 (ERIH+)

1. Tešović, O.; Nikolić, Ž. M.; Radović, N. R. Bringing Hazardous Materials into Serbia and Illegal Processing, Disposal, and Storage of Hazardous Materials – a Criminal Offence under Article 266 of the Criminal Code -Concept, Application, Challenges-. *Journal of Criminology and Criminal Law* **2024**, 62 (1), 29–52. <https://doi.org/10.47152/rkkp.62.1.2>.