

## M22

### IF>3

1. Spasojević, M.; Plazinić, M.; Luković, M.; Maričić, A.; Spasojević, M. The Effect of Annealing and Frequency of the External Magnetic Field on Magnetic Properties of Nanostructured Electrodeposit of the Ni86,0Fe9,8W1,3Cu2,9 Alloy. *Materials Chemistry and Physics* **2020**, 254, (Materials Science, Multidisciplinary 115/314, IF2019=3.408). <https://doi.org/10.1016/j.matchemphys.2020.123513>.
2. Rajković, K. M.; Vasić, M.; Drobac, M.; Mutić, J.; Jeremić, S.; Simić, V.; Stanković, J. Optimization of Extraction Yield and Chemical Characterization of Optimal Extract from Juglans Nigra L. Leaves. *Chemical Engineering Research and Design* **2020**, 157, 25–33, (Engineering, Chemical 50/143, IF2019=3.350). <https://doi.org/10.1016/j.cherd.2020.03.002>
3. Tomašević, A.; Mijin, D.; Radišić, M.; Prlainović, N.; Cvjetić, I.; Kovačević, D. V.; Marinković, A. Photolysis of Insecticide Methomyl in Various Solvents: An Experimental and Theoretical Study. *Journal of Photochemistry and Photobiology A: Chemistry* **2020**, 391, e112366, (Chemistry, Physical 69/159, IF2019=3.306). <https://doi.org/10.1016/j.jphotochem.2020.112366>.
4. Tucović, D.; Mirkov, I.; Kulaš, J.; Željković, M.; Popović, D.; Zolotarevski, L.; Đurđić, S. Z.; Mutić, J.; Kataranovski, M.; Popov Aleksandrov, A. Dermatotoxicity of Oral Cadmium Is Strain-Dependent and Related to Differences in Skin Stress Response and Inflammatory/Immune Activity. *Environmental Toxicology and Pharmacology* **2020**, 75, (Environmental Sciences 90/265, IF2019=3.292). <https://doi.org/10.1016/j.etap.2020.103326>.
5. Milošević, J.; Vrhovac, L.; Đurković, F.; Janković, B.; Malkov, S.; Lah, J.; Polović, N. Isolation, Identification, and Stability of Ficin 1c Isoform from Fig Latex. *New Journal of Chemistry* **2020**, 44 (36), 15716–15723, (Chemistry, Multidisciplinary 68/177, IF2019=3.288). <https://doi.org/10.1039/D0NJ02938F>.
6. Novaković, M. M.; Ilić-Tomić, T.; Tešević, V.; Simić, K.; Ivanović, S.; Simić, S.; Opsenica, I.; Nikodinović-Runić, J. Bisaurones – Enzymatic Production and Biological Evaluation. *New Journal of Chemistry* **2020**, 44 (23), 9647–9655, (Chemistry, Multidisciplinary 68/177, IF2019=3.288). <https://doi.org/10.1039/d0nj00758g>.
7. Prodanović, R.; Lloyd Ung, W.; Ilić Đurđić, K.; Fischer, R.; Weitz, D. A.; Ostafe, R. A High Throughput Screening System Based on Droplet Microfluidics for Glucose Oxidase Gene Libraries. *Molecules* **2020**, 25 (10), (Biochemistry & Molecular Biology 142/297, IF<sub>2019</sub>=3.267). <https://doi.org/10.3390/molecules25102418>.
8. Savić, A.; Kaczmarek, A. M.; Van Deun, R.; Van Hecke, K. DNA Intercalating Near-Infrared Luminescent Lanthanide Complexes Containing Dipyrido[3,2-a:2',3'-c]Phenazine (Dppz) Ligands: Synthesis, Crystal Structures, Stability, Luminescence Properties and CT-DNA Interaction. *Molecules* **2020**, 25 (22), 5309, (Biochemistry & Molecular Biology 142/297, IF<sub>2019</sub>=3.267). <https://doi.org/10.3390/molecules25225309>.
9. Jevtić, I. I.; Lai, T. H.; Penjišević, J.; Dukić-Stefanović, S.; Andrić, D.; Brust, P.; Kostić-Rajačić, S.; Teodoro, R. Newly Synthesized Fluorinated Cinnamylpiperazines Possessing Low In Vitro MAO-B Binding. *Molecules* **2020**, 25 (21), 4941, (Biochemistry & Molecular Biology 142/297, IF<sub>2019</sub>=3.267). <https://doi.org/10.3390/molecules25214941>.
10. Medić, A.; Lješević, M.; Inui, H.; Beškoski, V.; Kojić, I.; Stojanović, K.; Karadžić, I. M. Efficient Biodegradation of Petroleum N-Alkanes and Polycyclic Aromatic Hydrocarbons by Polyextremophilic Pseudomonas Aeruginosa San Ai with Multidegradative Capacity. *RSC Advances* **2020**, 10 (24), 14060–14070, (Chemistry, Multidisciplinary 73/177, IF<sub>2019</sub>=3.119), <https://doi.org/10.1039/C9RA10371F>.
11. Nešović, M.; Gašić, U. M.; Tosti, T.; Trifković, J.; Baošić, R.; Blagojević, S.; Ignjatović, L.; Tešić, Ž. Lj. Physicochemical Analysis and Phenolic Profile of Polyfloral and Honeydew

- Honey from Montenegro. *RSC Advances* **2020**, *10* (5), 2462–2471, (Chemistry, Multidisciplinary 73/177, IF2019=3.119). <https://doi.org/10.1039/c9ra08783d>.
12. Ristivojević, P.; Stević, T.; Starović, M.; Pavlović, S. Z.; Özcan, M. M.; Berić, T.; Dimkić, I. Phenolic Composition and Biological Activities of Geographically Different Type of Propolis and Black Cottonwood Resins against Oral Streptococci, Vaginal Microbiota and Phytopathogenic Fusarium Species. *Journal of Applied Microbiology* **2020**, *129* (2), 296–310, (Biotechnology & Applied Microbiology 64/156, IF2019=3.066). <https://doi.org/10.1111/jam.14633>.
13. Randelović, D.; Mutić, J.; Marjanović, P.; Đorđević, T.; Kašanin-Grubin, M. Geochemical Distribution of Selected Elements in Flotation Tailings and Soils/Sediments from the Dam Spill at the Abandoned Antimony Mine Stolice, Serbia. *Environmental Science and Pollution Research* **2020**, *27* (6), 6253–6268, (Environmental Sciences 99/265, IF2019=3.056). <https://doi.org/10.1007/s11356-019-07348-4>.
14. Pergal, M. V.; Kodranov, I. D.; Dojčinović, B. P.; Avdin, V. V.; Stanković, D.; Petković, B. B.; Manojlović, D. D. Evaluation of Azamethiphos and Dimethoate Degradation Using Chlorine Dioxide during Water Treatment. *Environmental Science and Pollution Research* **2020**, *27* (21), 27147–27160, (Environmental Sciences 99/265, IF2019=3.056). <https://doi.org/10.1007/s11356-020-09069-5>.

## IF 2-3

15. Dinić, I.; Vuković, M.; Nikolić, M. G.; Tan, Z.; Milošević, O. B.; Mančić, L. Up-Converting Nanoparticles Synthesis Using Hydroxyl-Carboxyl Chelating Agents: Fluoride Source Effect. *The Journal of Chemical Physics* **2020**, *153* (8), 084706, (Chemistry, Physical 64/148, IF2018=2.997). <https://doi.org/10.1063/5.0016559>.
16. Zengin, G.; Cvetanović, A.; Gašić, U. M.; Tešić, Ž. Lj.; Stupar, A.; Bulut, G.; Sinan, K. I.; Uysal, S.; Picot-Allain, M. C. N.; Mahomoodally, M. F. A Comparative Exploration of the Phytochemical Profiles and Bio-Pharmaceutical Potential of Helichrysum Stoecas Subsp. Barrelieri Extracts Obtained via Five Extraction Techniques. *Process Biochemistry* **2020**, *91*, 113–125, (Biochemistry & Molecular Biology 162/297, IF2019=2.952). <https://doi.org/10.1016/j.procbio.2019.12.002>.
17. Malešević, M.; Stanislavljević, N.; Novović, K.; Polović, N.; Vasiljević, Z.; Kojić, M. O.; Jovčić, B. Burkholderia Cepacia YtnP and Y2-AiiA Lactonases Inhibit Virulence of Pseudomonas Aeruginosa via Quorum Quenching Activity. *Microbial Pathogenesis* **2020**, *149*, (Microbiology 69/135, IF2019=2.914). <https://doi.org/10.1016/j.micpath.2020.104561>.
18. Ivanović, T.; Popović, D. Ž.; Miladinović, J.; Rard, J. A.; Miladinović, Z. P.; Pastor, F. Isopiestic Determination of the Osmotic and Activity Coefficients of  $\{y\text{K2HPO}_4 + (1-y)\text{KH}_2\text{PO}_4\}(\text{Aq})$  at  $T = 298.15\text{ K}$ . *Journal of Chemical Thermodynamics* **2020**, *142*, 105945, (Chemistry, Physical 78/159, IF2019=2.888). <https://doi.org/10.1016/j.jct.2019.105945>.
19. Dabić-Zagorac, D.; Fotirić-Akšić, M. M.; Glavnik, V.; Gašić, U. M.; Vovk, I.; Tešić, Ž. Lj.; Natić, M. Establishing the Chromatographic Fingerprints of Flavan-3-Ols and Proanthocyanidins from Rose Hip (Rosa Sp.) Species. *Journal of Separation Science* **2020**, *43* (8), 1431–1439, (Chemistry, Analytical 32/86, IF2019=2.878). <https://doi.org/10.1002/jssc.201901271>.
20. Jevtić, I. I.; Savić Vujović, K.; Srebro, D.; Vučković, S. M.; Ivanović, M. D.; Kostić-Rajačić, S. Synthesis and Pharmacological Evaluation of Novel Cis and Trans 3-Substituted Anilidopiperidines. *Pharmacological Reports* **2020**, *72* (4), 1069–1075, (Pharmacology & Pharmacy 119/267, IF2018=2.761). <https://doi.org/10.1007/s43440-020-00121-2>.
21. Srbljanović, J.; Bobić, B.; Stajner, T.; Uzelac, A.; Opsenica, I.; Terzić-Jovanović, N.; Bauman, N.; Šolaja, B. A.; Đurković-Đaković, O. Aminoquinolines Afford Resistance to

- Cerebral Malaria in Susceptible Mice. *Journal of Global Antimicrobial Resistance* **2020**, *23*, 20–25, (Infectious Diseases 51/92, 2.706). <https://doi.org/10.1016/j.jgar.2020.07.027>.
22. Sakan, S.; Francišković-Bilinski, S.; Đorđević, D. S.; Popović, A. R.; Škrivanj, S. B.; Bilinski, H. Geochemical Fractionation and Risk Assessment of Potentially Toxic Elements in Sediments from Kupa River, Croatia. *Water* **2020**, *12* (7), 2024, (Water Resources 31/94, IF2019=2.544). <https://doi.org/10.3390/w12072024>.
23. Manojlović, D. D.; Lelek, K.; Roglić, G.; Zherebtsov, D.; Avdin, V.; Buskina, K.; Sakthidharan, C.; Sapozhnikov, S.; Samodurova, M.; Zakirov, R.; Stanković, D. Efficiency of Homely Synthesized Magnetite: Carbon Composite Anode toward Decolorization of Reactive Textile Dyes. *International Journal of Environmental Science and Technology* **2020**, *17* (4), 2455–2462, (Environmental Sciences 125/265, IF2019=2.540). <https://doi.org/10.1007/s13762-020-02654-8>.
24. Novaković, M. M.; Simić, S.; Koračak, L.; Zlatović, M.; Ilić-Tomić, T.; Asakawa, Y.; Nikodinović-Runić, J.; Opsenica, I. Chemo- and Biocatalytic Esterification of Marchantin A and Cytotoxic Activity of Ester Derivatives. *Fitoterapia* **2020**, *142*, 104520, (Pharmacology & Pharmacy 152/271, IF2019=2.527). <https://doi.org/10.1016/j.fitote.2020.104520>.
25. Šajnović, A.; Grba, N.; Neubauer, F.; Kašanin-Grubin, M.; Stojanović, K.; Petković, N.; Jovančićević, B. Geochemistry of Sediments from the Lopare Basin (Bosnia and Herzegovina): Implications for Paleoclimate, Paleosalinity, Paleoredox and Provenance. *Acta Geologica Sinica - English Edition* **2020**, *94* (5), 1591–1618, (Geosciences, Multidisciplinary 64/190, IF2018=2.506). <https://doi.org/10.1111/1755-6724.14324>.
26. Dimkić, I.; Petrović, M.; Gavrilović, M.; Gašić, U.; Ristivojević, P.; Stanković, S.; Janaćković, P. New Perspectives of Purple Starthistle (*Centaurea Calcitrapa*) Leaf Extracts: Phytochemical Analysis, Cytotoxicity and Antimicrobial Activity. *AMB Express* **2020**, *10* (1), 183, (Biotechnology & Applied Microbiology 79/156, IF2019=2.499). <https://doi.org/10.1186/s13568-020-01120-5>.
27. Vesović, N.; Ćurčić, S.; Todosijević, M.; Nenadić, M.; Zhang, W.; Vujisić, L. V. Pygidial Gland Secretions of *Carabus Linnaeus*, 1758 (Coleoptera: Carabidae): Chemicals Released by Three Species. *Chemoecology* **2020**, *30* (2), 59–68, (Ecology 85/169, IF2018=2.488). <https://doi.org/10.1007/s00049-019-00298-w>
28. Agatonovic-Kustrin, S.; Ristivojević, P.; Gegechkori, V.; Litvinova, T. M.; W. Morton, D. Essential Oil Quality and Purity Evaluation via FT-IR Spectroscopy and Pattern Recognition Techniques. *Applied Sciences* **2020**, *10* (20), 7294, (Chemistry, Multidisciplinary 88/177, IF2019=2.474). <https://doi.org/10.3390/app10207294>.
29. Klisurić, O.; Armaković, S. J.; Armaković, S.; Marković, S. B.; Todorović, T.; Portalone, G.; Novović, K.; Lozo, J.; Filipović, N. R. Structural, Biological and in-Silico Study of Quinoline-Based Chalcogenesemicarbazones. *Journal of Molecular Structure* **2020**, *1203*, 127482, (Chemistry, Physical 92/159, IF2019=2.463).
30. Đorđević, J.; Kolarević, S.; Jovanović, J.; Kostić-Vuković, J.; Novaković, I. T.; Jeremić, M.; Sladić, D.; Vuković-Gačić, B. Evaluation of Genotoxic Potential of Tert-Butylquinone and Its Derivatives in Prokaryotic and Eukaryotic Test Models. *Drug and Chemical Toxicology* **2020**, *43* (5), (Chemistry, Multidisciplinary 89/177, IF2019=2.405). <https://doi.org/10.1080/01480545.2018.1514043>.
31. Ilić Đurđić, K.; Ece, S.; Ostafe, R.; Vogel, S.; Balaž, A. M.; Schillberg, S.; Fischer, R.; Prodanović, R. Flow Cytometry-Based System for Screening of Lignin Peroxidase Mutants with Higher Oxidative Stability. *Journal of Bioscience and Bioengineering* **2020**, *129* (6), 664–671, (Biotechnology & Applied Microbiology 85/156, IF2019=2.366). <https://doi.org/10.1016/j.jbiotec.2019.12.009>.
32. Uraev, A. I.; Nefedov, S. E.; Lyssenko, K. A.; Vlasenko, V. G.; Ikorskii, V. N.; Garnovskii, D. A.; Makarova, N. I.; Levchenkov, S. I.; Shcherbakov, I. N.; Milenković, M. R.; Borodkin, G. S. Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of Cu<sub>2</sub>N<sub>2</sub>O<sub>4</sub>-, Cu<sub>2</sub>N<sub>2</sub>O<sub>2</sub>(S<sub>2</sub>)-, Cu<sub>2</sub>N<sub>2</sub>S<sub>4</sub>-Chromophores Based on Aminomethylene

- Derivatives of Pyrazole-5-One(Thione). *Polyhedron* **2020**, *188*, 114623, (Chemistry, Inorganic & Nuclear 18/45, IF2019=2.343). <https://doi.org/10.1016/j.poly.2020.114623>.
33. Keškić, T.; Jagličić, Z.; Pevec, A.; Čobeljić, B.; Radanović, D.; Gruden, M.; Turel, I.; Andelković, K. K.; Brčeski, I.; Zlatar, M. Synthesis, X-Ray Structures and Magnetic Properties of Ni(II) Complexes of Heteroaromatic Hydrazones. *Polyhedron* **2020**, *191*, 114802, (Chemistry, Inorganic & Nuclear 18/45, IF2019=2.343). <https://doi.org/10.1016/j.poly.2020.114802>.
34. Milovanović, M. R.; Zarić, S. D.; Cornaton, Y.; Djukic, J.-P. Joint Isotherm Calorimetric Titration–DFT Investigation of the Demethoxy-Amination of Fischer Carbenes. *Journal of Organometallic Chemistry* **2020**, *929*, 121582, (Chemistry, Inorganic & Nuclear 20/45, IF2019=2.304). <https://doi.org/10.1016/j.jorgancem.2020.121582>.
35. Mészáros, J. P.; Geisler, H.; Poljarević, J.; Roller, A.; Legina, M. S.; Hejl, M.; Jakupc, M. A.; Keppler, B. K.; Kandioller, W.; Enyedy, É. A. Naphthoquinones of Natural Origin: Aqueous Chemistry and Coordination to Half-Sandwich Organometallic Cations. *Journal of Organometallic Chemistry* **2020**, *907*, (Chemistry, Inorganic & Nuclear 20/45, IF2019=2.304). <https://doi.org/10.1016/j.jorgancem.2019.121070>.
36. Stojičkov, M.; Sturm, S.; Čobeljić, B.; Pevec, A.; Jevtović, M.; Scheitler, A.; Radanović, D.; Senft, L.; Turel, I.; Andelković, K. K.; Miehlich, M.; Meyer, K.; Ivanović-Buramazović, I. Cobalt(II), Zinc(II), Iron(III), and Copper(II) Complexes Bearing Positively Charged Quaternary Ammonium Functionalities: Synthesis, Characterization, Electrochemical Behavior, and SOD Activity. *European Journal of Inorganic Chemistry* **2020**, *3347–3358*, (Chemistry, Inorganic & Nuclear 17/45, IF2018=2.301). <https://doi.org/10.1002/ejic.202000415>.
37. Ljoljić Bilić, V.; Gašić, U. M.; Milojković-Opsenica, D.; Nemet, I.; Rončević, S.; Kosalec, I.; Vuković Rodriguez, J. First Extensive Polyphenolic Profile of Erodium Cicutarium with Novel Insights to Elemental Composition and Antioxidant Activity. *Chemistry & Biodiversity* **2020**, *17* (9), e2000280, (Chemistry, Multidisciplinary 101/177, IF2019=2.039). <https://doi.org/10.1002/cbdv.202000280>.
38. Balaž, A. M.; Stevanović, J.; Ostafe, R.; Blazić, M.; Ilić Đurđić, K.; Fischer, R.; Prodanović, R. Semi-Rational Design of Cellobiose Dehydrogenase for Increased Stability in the Presence of Peroxide. *Molecular Diversity* **2020**, *24* (3), 593–601, (Chemistry, Applied 29/71, IF2018=2.032). <https://doi.org/10.1007/s11030-019-09965-0>.
39. Đokić, J.; Jovančićević, B.; Brčeski, I.; Ranitović, M.; Gajić, N.; Kamberović, Ž. Leaching of Metastannic Acid from E-Waste by-Products. *Journal of Material Cycles and Waste Management* **2020**, *22* (6), 1899–1912, (Environmental Sciences 139/251, IF2018=2.004). <https://doi.org/10.1007/s10163-020-01076-5>.
40. Nešović, M.; Gašić, U.; Tosti, T.; Horvacki, N.; Šikoparija, B.; Nedić, N.; Blagojević, S.; Ignjatović, L.; Tešić, Ž. Polyphenol Profile of Buckwheat Honey, Nectar and Pollen: Polyphenolics in Buckwheat. *Royal Society Open Science* **2020**, *7* (12), (Multidisciplinary Sciences 28/71, IF2019=2.646). <https://doi.org/10.1098/rsos.201576>.

## IF<2

41. Kodranov, I. D.; Pergal, M. V.; Avdin, V. V.; Manojlović, D. D. Examination of Degradation and Ecotoxicology of Pethoxamid and Metazachlor after Chlorine Dioxide Treatment. *Environmental Monitoring and Assessment* **2020**, *192* (7), 422, (Environmental Sciences 142/251, IF2018=1.959). <https://doi.org/10.1007/s10661-020-08392-1>.
42. Stikić, R. I.; Milinčić, D. D.; Kostić, A. Ž.; Jovanović, Z.; Gašić, U. M.; Tešić, Ž. Lj.; Djordjević, N. Z.; Savić, S. K.; Czekus, B. G.; Pešić, M. B. Polyphenolic Profiles, Antioxidant, and in Vitro Anticancer Activities of the Seeds of Puno and Titicaca Quinoa

- Cultivars. *Cereal Chemistry* **2020**, 97 (3), 626–633, (Chemistry, Applied 35/71, IF2019=1.807). <https://doi.org/10.1002/cche.10278>.
- 43. Dimitrijević, T.; Novaković, I. T.; Radanović, D.; Novaković, S. B.; Rodić, M.; Andelković, K. K.; Šumar-Ristović, M. Synthesis, Spectral and Structural Characterization and Biological Activity of Cu(II) Complexes with 4-(Diethylamino)Salicylaldehyde and  $\alpha$ -Diimines. *Journal of Coordination Chemistry* **2020**, 73 (4), 702–716, (Chemistry, Inorganic & Nuclear 27/45, IF2018=1.685). <https://doi.org/10.1080/00958972.2020.1740212>.
  - 44. Minić, R.; Josipović, M.; Tomić Spirić, V.; Gavrović-Jankulović, M.; Perić Popadić, A.; Prokopijević, I.; Ljubičić, A.; Stamenković, D.; Burazer, L. M. Impact of Tree Pollen Distribution on Allergic Diseases in Serbia: Evidence of Implementation of Allergen Immunotherapy to *Betula Verrucosa*. *Medicina (Lithuania)* **2020**, 56 (2), (Medicine, General & Internal 84/160, IF2018=1.467). <https://doi.org/10.3390/medicina56020059>.
  - 45. Sarap, N. B.; Krneta Nikolić, J. D.; Trifković, J.; Janković, M. M. Assessment of Radioactivity Contribution and Transfer Characteristics of Natural Radionuclides in Agroecosystem. *Journal of Radioanalytical and Nuclear Chemistry* **2020**, 323 (2), 805–815, (Nuclear Science & Technology 20/34, IF2018=1.186). <https://doi.org/10.1007/s10967-019-06986-9>.
  - 46. Filipović, S.; Andelković, L.; Jeremić, D.; Vulić, P.; Nikolić, A. S.; Marković, S.; Paunović, V.; Lević, S.; Pavlović, V. B. Structure and Properties of Nanocrystalline Tetragonal BaTiO<sub>3</sub> Prepared by Combustion Solid State Synthesis. *Science of Sintering* **2020**, 52 (3), 257–268, (Materials Science, Ceramics 14/28, IF2019=1.172). <https://doi.org/10.2298/SOS2003257F>.
  - 47. Jeremić, D.; Andelković, L.; Milenković, M. R.; Šuljagić, M.; Šumar-Ristović, M.; Ostojić, S.; Nikolić, A. S.; Vulić, P.; Brčeski, I.; Pavlović, V. One-Pot Combustion Synthesis of Nickel Oxide and Hematite: From Simple Coordination Compounds to High Purity Metal Oxide Nanoparticles. *Science of Sintering* **2020**, 52 (4), 481–490, (Materials Science, Ceramics 14/28, IF2019= 1.172). <https://doi.org/10.2298/SOS2004481J>.
  - 48. Spasojević, M.; Randić, S.; Marićić, A.; Trišović, T.; Spasojević, M. Morphological, Microstructural and Magnetic Characteristics of Electrodeposited Ni-Fe-W-Cu Alloy Powders. *Science of Sintering* **2020**, 52 (1), 109–121, (Materials Science, Ceramics 14/28, IF2019=1.172). <https://doi.org/10.2298/SOS2001109S>.