

1. Rovčanin, B.; Stojšavljević, A.; Kekić, D.; Gopčević, K.; Manojlović, D. D.; Jovanović, M.; Knežević, S.; Živaljević, V.; Diklić, A.; Paunovic, I. Redox Status and Antioxidative Cofactor Metals Influence Clinical and Pathological Characteristics of Papillary Thyroid Carcinoma and Colloid Goiter. *Biological Trace Element Research* **2020**, *197* (2), 349–359, (Biochemistry & Molecular Biology 184/297, IF2019=2.639). <https://doi.org/10.1007/s12011-019-01995-x>.
2. Perušković, D. S.; Stevanović, N. R.; Kovačević, G.; Stanković, D.; Lolić, A.; Baošić, R. Application of N,N'-Bis(Acetylacetonato)Propylenediimine Copper(II) Complex as Mediator for Glucose Biosensor. *ChemistrySelect* **2020**, *5* (5), 1671–1675, (Chemistry, Multidisciplinary 111/177, IF2019=1.811). <https://doi.org/10.1002/slct.201904873>.
3. Gruden, M.; Zlatar, M. What Is the Nature of Bonding in [Fe(CO)₃(NO)]⁻ and [Fe(CO)₄]²⁻? *Theoretical Chemistry Accounts* **2020**, *139* (7), 126, (Chemistry, Physical 113/148, IF2018= 1.598) <https://doi.org/10.1007/s00214-020-02639-3>.
4. Mosić, M.; Dramićanin, A. M.; Ristivojević, P.; Milojković-Opsenica, D. Extraction as a Critical Step in Phytochemical Analysis. *Journal of AOAC International* **2020**, *103*, (Chemistry, Analytical 65/86, IF2019=1.510). <https://doi.org/10.5740/jaoacint.19-0251>.
5. Spasojević, M.; Spasojević, M.; Ribić-Zelenović, L. A Catalyst Coated Electrode for Electrochemical Formaldehyde Oxidation. *Monatshefte für Chemie* **2020**, *151* (1), 33–43, (Chemistry, Multidisciplinary 112/172 IF2018=1.501). <https://doi.org/10.1007/s00706-019-02533-0>.
6. Čukanović, J.; Tešević, V.; Jadranin, M.; Ljubojević, M.; Mladenović, E.; Kostić, S. Horse Chestnut (*Aesculus Hippocastanum* L.) Seed Fatty Acids, Flavonoids and Heavy Metals Plasticity to Different Urban Environments. *Biochemical Systematics and Ecology* **2020**, *89*, 103980, (Biochemistry & Molecular Biology 273/299, IF2018=1.127). <https://doi.org/10.1016/j.bse.2019.103980>.
7. Zlatar, M.; Vlahović, F.; Mitić, D.; Zlatović, M.; Gruden, M. Assessment of Density Functional Approximations for Calculation of Exchange Coupling Constants in Thiocyanato and Cyanato Double Bridged Binuclear Ni(II) Complexes. *Journal of the Serbian Chemical Society* **2020**, *85* (12), 1577–1590, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC201106071Z>.
8. Saheed, R. M. M.; Šolević-Knudsen, T.; Faraj, M. A. M.; Nikolovski, Z.; Nytoft, H. P.; Jovančičević, B. Saturated Biomarkers in the Estimation of Organic Geochemical Homogeneity of Crude Oils from Four Oil Fields in Libya. *Journal of the Serbian Chemical Society* **2020**, *85* (11), 1489–1499, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC200501055S>.
9. Keškić, T.; Radanović, D.; Pevec, A.; Turel, I.; Gruden, M.; Anđelković, K. K.; Mitić, D.; Zlatar, M.; Čobeljić, B. Synthesis, X-Ray Structure and DFT Calculation of Magnetic Properties of Binuclear Ni(II) Complex with Tridentate Hydrazone-Based Ligand. *Journal of the Serbian Chemical Society* **2020**, *85* (10), 1279–1290, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC200625038K>.
10. Bulatović, S.; Marić, N.; Šolević-Knudsen, T.; Avdalović, J.; Ilić, M. V.; Jovančičević, B.; Vrvic, M. M. Bioremediation of Groundwater Contaminated with Petroleum Hydrocarbons Applied at a Site in Belgrade (Serbia). *Journal of the Serbian Chemical Society* **2020**, *85* (8), 1067–1081, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC191023003B>.
11. Jurič, A.; Gašić, G.; Brčić-Karačonji, I.; Jurica, K.; Milojković-Opsenica, D. The Phenolic Profile of Strawberry Tree (*Arbutus Unedo* L.) Honey. *Journal of the Serbian Chemical*

- Society* **2020**, 85 (3), 1–10, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC191217018J>.
12. Balaž, A. M.; Blažić, M.; Popović, N.; Prodanović, O.; Ostafe, R.; Fischer, R.; Prodanović, R. Expression, Purification and Characterization of Cellobiose Dehydrogenase Mutants from Phanerochaete Chrysosporium in Pichia Pastoris KM71H Strain. *Journal of the Serbian Chemical Society* **2020**, 85 (1), 25–35, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC190320058B>.
 13. Milinčić, D. D.; Kostić, A. Ž.; Špirović-Trifunović, B.; Tešić, Ž. Lj.; Tosti, T.; Dramićanin, A. M.; Barać, M. B.; Pešić, M. B. Grape Seed Flour of Different Grape Pomaces: Fatty Acid Profile, Soluble Sugar Profile and Nutritional Value. *Journal of the Serbian Chemical Society* **2020**, 85 (3), 305–319, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC190713117M>.
 14. Žerađanin, A.; Avdalović, J.; Lješević, M.; Tešić, O.; Miletić, S. B.; Vrvic, M. M.; Beškoski, V. Evolution of Humic Acids during Ex Situ Bioremediation on a Pilot Level: The Added Value of the Microbial Activity. *Journal of the Serbian Chemical Society* **2020**, 85 (6), 821–830, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC190916131Z>.
 15. Rodić, M. V.; Miškov-Pajić, V.; Leovac, V. M.; Radanović, M. M.; Vojinović-Ješić, L. S.; Belošević, S.; Jaćimović, Ž. K.; Živković-Radovanović, V. First Cobalt Complexes with Methyl Pyruvate Semi/Thiosemicarbazone - Synthesis, Physico-Chemical and Structural Characterization. *Journal of the Serbian Chemical Society* **2020**, 85 (4), 453–466, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC191219010R>.
 16. Gorjanović, S.; Pastor, F.; Loupassaki, S.; Veljović, M. S.; Vukosavljević, P. V.; Zlatanović, S.; Pezo, L. Serbian Aromatized Wine “Bermet”: Electrochemical, Chemiluminescent and Spectrophotometric Determination of Antioxidant Activity. *Journal of the Serbian Chemical Society* **2020**, 85 (4), 517–529, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC190404139G>.
 17. Mudrić, J.; Drinić, Z.; Zdunić, G.; Todosijević, M.; Bigović, D.; Menković, N.; Šavikin, K. Stabilization of Rose Hip Oil by Pomegranate Peel Extract during Accelerated Storage. *Journal of the Serbian Chemical Society* **2020**, 85 (12), 1553–1563, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC200424064M>.
 18. Jevtić, I. I.; Penjišević, J.; Savić-Vujović, K.; Srebro, D.; Vučković, S. M.; Ivanović, M. D.; Kostić-Rajačić, S. μ -Opioid/D2 Dopamine Receptor Pharmacophore Containing Ligands: Synthesis and Pharmacological Evaluation. *Journal of the Serbian Chemical Society* **2020**, 85 (6), 711–720, (Chemistry, Multidisciplinary 138/177 IF2019=1.097). <https://doi.org/10.2298/JSC190912118J>.
 19. Ranković, B. M.; Nikolić, N. R.; Mašić, S. B.; Vujčić, I. T. Dose Mapping of Products with Different Density Irradiated in 60Co Irradiation Facility of the Vinca Institute, Serbia. *Nuclear Technology and Radiation Protection* **2020**, 35 (1), 56–63, (Nuclear Science & Technology 22/34, IF2019=1.057). <https://doi.org/10.2298/NTRP2001056R>.
 20. Pergal, M. V.; Kodranov, I. D.; Pergal, M. M.; Avdin, V. V.; Manojlović, D. D. Oxidative Degradation and Mineralization of Bentazone from Water. *Journal of Environmental Science and Health, Part B* **2020**, 55 (12), 1069–1079, (Environmental Sciences 186/265, IF2019=1.697). <https://doi.org/10.1080/03601234.2020.1816091>.

IF<1

21. Ristivojević, P.; Trifković, J.; Andrić, F.; Milojković-Opsenica, D. Recent trends in image evaluation of HPTLC chromatograms, *Journal of Liquid Chromatography & Related*

- Technologies, 2020, 43(9-10), 291-299, (Chemistry, Analytical 75/86, IF2019=0.992). <https://doi.org/10.1080/10826076.2020.1725555>
22. Nikolić, B. M.; Đorđević, I.; Todosijević, M.; Mitić, Z. S.; Bojović, S.; Marin, P. D. Population Diversity of n-Alkanes in the Needle Cuticular Wax of Relicts *Pinus Heldreichii* and *P. Peuce* from the Scardo-Pindic Mountains. *Macedonian Journal of Chemistry and Chemical Engineering* **2020**, 39 (1), 41–48, (Chemistry, Multidisciplinary 150/177, IF2019=0.829). <https://doi.org/10.20450/mjce.2020.1951>.
23. Lisov, N.; Petrovic, A.; Čakar, U.; Jadranin, M.; Tešević, V.; Bukarica-Gojković, L. Extraction Kinetic of Some Phenolic Compounds during Cabernet Sauvignon Alcoholic Fermentation and Antioxidant Properties of Derived Wines. *Macedonian Journal of Chemistry and Chemical Engineering* **2020**, 39 (2), 185–196, (Chemistry, Multidisciplinary 150/177, IF2019=0.829). <https://doi.org/10.20450/mjce.2020.2060>.
24. Špirtović-Halilović, S.; Veljović, E.; Salihović, M.; Osmanović, A.; Šapčanin, A.; Softić, D.; Roca, S.; Trifunović, S. S.; Škrijelj, N.; Škrbo, S.; Selmanagić, A.; Završnik, D. Synthesis, Microbiological Activity and In Silico Investigation for Some Synthesized Coumarin Derivatives. *Croatica Chemica Acta* **2020**, 93 (1), P1–P9, (Chemistry, Multidisciplinary 151/177, IF2019=0.812). <https://doi.org/10.5562/cca3637>.
25. Nikolić, B.; Ljujić, J.; Bojović, S.; Mitić, Z.; Rajčević, N.; Tešević, V.; Marin, P. D. Headspace Volatiles Isolated from Twigs of *Picea Omorika* from Serbia. *Archives of Biological Sciences* **2020**, 72 (3), 445–452, (Biology 77/93, IF2019=0.719). <https://doi.org/10.2298/ABS200511038N>.
26. Pavlović, S.; Krizmanić, I.; Borković-Mitić, S.; Stojsavljević, A.; Mitić, B. A First Record of the Antioxidant Defense and Selected Trace Elements in Salamandra Salamandra Larvae on Mt. Avala and Mt. Vršачki Breg (Serbia). *Archives of Biological Sciences* **2020**, 72 (4), (Biology 77/93, IF2019=0.719). <https://doi.org/10.2298/ABS200825043P>.
27. Milenković, M. R.; Živković-Radovanović, V.; Anđelković, L. Synthesis and Antimicrobial Activity of (3-Formyl-4-Hydroxybenzyl)Triphenylphosphonium Chloride Acylhydrazones. *Russian Journal of General Chemistry* **2020**, 90 (9), 1716–1720, (Chemistry, Multidisciplinary 152/177, IF2019=0.716). <https://doi.org/10.1134/S1070363220090194>.
28. Martinović, B.; Jelić, I. V.; Rikalović, M. G.; Šljivić-Ivanović, M. Z.; Radosavljević, J.; Kostić, A. Ž.; Adžemovic, M. Comparison of Air Pollution in the Working Environment during in Site Treatment of Infectious Medical Waste by Converter and Autoclave Sterilization. *Fresenius Environmental Bulletin* **2020**, 29 (4), 2160–2165, (Environmental Sciences 240/251, IF2018=0.691).
29. Nikolić, B.; Todosijević, M.; Đorđević, I.; Stanković, J.; Mitić, Z. S.; Tešević, V.; Marin, P. D. Nonacosan-10-Ol and n-Alkanes in Leaves of *Pinus Pinaster*. *Natural Product Communications* **2020**, 15 (5), (Chemistry, Medicinal 60/61, IF2018=0.554). <https://doi.org/10.1177/1934578X20926073>.
30. Spasojević, M.; Ribić-Zelenović, L.; Spasojević, M.; Trišović, T. The Effect of the Composition of the Alloy of RuO₂ and Pt Nanocrystals on Intermediate Adsorption during Methanol Oxidation. *Revue Roumaine de Chimie* **2020**, 65 (5), 481–489, (Chemistry, Multidisciplinary 165/172, IF2018=0.395). <https://doi.org/10.33224/rrch.2020.65.5.08>.
31. Jurišević, M.; Jagić, N.; Gajović, N.; Arsenijević, A.; Jovanović, M.; Milovanović, M.; Pantić, J.; Jovanović, I.; Sabo, T.; Radosavljević, G.; Arsenijević, N. O,O'-Diethyl-(S,S)-Ethylenediamine-N,N'-Di-2-(3-Cyclohexyl)Propanoate Dihydrochloride Enhances Influx of Effective NK and NKT Cells in Murine Breast Cancer. *Vojnosanitetski pregled* **2020**, 77 (7), 715–723, (Medicine, General & Internal 155/160, IF2018=0.272). <https://doi.org/10.2298/VSP180723149J>.
32. Cvetković, D.; Kočica, M.; Šoškić, L.; Vučićević, F.; Petrović, O.; Jovanović, I.; Jovičić, S.; Trifković, J.; Kostovski, S.; Miličić, B.; Karadžić, M.; Ristić, A.; Savić, D. Comparison of Custodiol® and Modified St. Thomas Cardioplegia for Myocardial Protection in Coronary

Artery Bypass Grafting. *Vojnosanitetski pregled* **2020**, 77 (11), 1126–1134, (Medicine, General & Internal 155/160, IF2018=0.272). <https://doi.org/10.2298/VSP181108192C>.