

# 2020.

## M21a

1. Srećković, N., Katanić Stanković, J.S., Matić, S., Mihailović, N.R., Imbimbo, P., Monti, D.M., Mihailović, V., [Lythrum salicaria L. \(Lythraceae\) as a promising source of phenolic compounds in the modulation of oxidative stress: Comparison between aerial parts and root extracts](#) (2020), Industrial Crops and Products 155, art. no. 112781.
2. Tošović, J., Bren, U., [Antioxidative action of ellagic acid - a kinetic DFT study](#) (2020), Antioxidants 9 (7), art. no. 587, pp. 1–13.
3. Mihailović, V., Katanić Stanković, J.S., Jurić, T., Srećković, N., Mišić, D., Šiler, B., Monti, D.M., Imbimbo, P., Nikles, S., Pan, S.-P., Bauer, R., [Blackstonia perfoliata \(L.\) Huds. \(Gentianaceae\): A promising source of useful bioactive compounds](#) (2020), Industrial Crops and Products 145, art. no. 111974.
4. Aleksić, S., Mitrović, Z.D., Radenović, S., [Picard sequences in b-metric spaces](#) (2020) Fixed Point Theory 21 (1), pp. 35–46.

## M21 (укупно: 37)

1. Perišić, V., Vuković, S., Perišić, V., Luković, K., Vukajlović, F., Hadnađev, M., Dapčević-Hadnađev, T., [The influence of Rhizopertha dominica \(F.\) on the technological quality of cereal grains treated with diatomaceous earth](#) (2021), Journal of Stored Products Research 90, art. no. 101750.
2. Savović, S., Djordjevich, A., [Investigation of Mode Coupling in Graded Index Plastic Optical Fibers Using the Langevin Equation](#) (2020), Journal of Lightwave Technology 38 (23), art. no. 9163250, pp. 6644–6647.
3. Wai, K.-M., Krstic, D., Nikezic, D., Lin, T.-H., Yu, P.K.N., [External Cesium-137 doses to humans from soil influenced by the Fukushima and Chernobyl nuclear power plants accidents: a comparative study](#) (2020), Scientific Reports 10 (1), art. no. 7902.
4. Đukić, M.B., Jeremić, M.S., Filipović, I.P., Klisurić, O.R., Kojić, V.V., Jakimov, D.S., Jelić, R.M., Onnis, V., Matović, Z.D., [Synthesis, characterization, HSA/DNA interactions and antitumor activity of new \[Ru\( \$\eta^6\$ -p-cymene\)Cl<sub>2</sub>\(L\)\] complexes](#) (2020), Journal of Inorganic Biochemistry 213, art. no. 111256.
5. Čoćić, D., Jovanović-Stević, S., Jelić, R., Matić, S., Popović, S., Djurdjević, P., Baskić, D., Petrović, B., [Homo- And hetero-dinuclear Pt\(ii\)/Pd\(ii\) complexes: Studies of hydrolysis, nucleophilic substitution reactions, DNA/BSA interactions, DFT calculations, molecular docking and cytotoxic activity](#) (2020), Dalton Transactions 49 (41), pp. 14411–14431.
6. Kačaniová, M., Terentjeva, M., Štefániková, J., Žiarovská, J., Savitskaya, T., Grinshpan, D., Kowalczewski, P.Ł., Vukovic, N., Tvrdá, E., [Chemical composition and antimicrobial activity of selected essential oils against staphylococcus spp. Isolated from human semen](#) (2020), Antibiotics 9 (11), art. no. 765, pp. 1–21.

7. Ghalib, R.M., Mehdi, S.H., Malla, A.M., Bogdanović, G.A., Trifunovic, S.R., Alam, M.G., [Synthesis of new seven membered heterocyclic rings: An easy access to indeno-benzof\[1,4\]diazepines](#) (2020), Arabian Journal of Chemistry 13 (10), pp. 7338–7345.
8. Soldatović, T.V., Selimović, E., Milivojević, N., Jovanović, M., Šmit, B., [Novel heteronuclear Pt \(II\)-L-Zn \(II\) complexes: synthesis, interactions with biomolecules, cytotoxic properties. Two metals give promising antitumor activity?](#) (2020), Applied Organometallic Chemistry 34 (10), art. no. e5864.
9. Marčetić, D., Elezović-Hadžić, S., Živić, I., [Statistics of close-packed dimers on fractal lattices](#) (2020), Physica A: Statistical Mechanics and its Applications 554, art. no. 124275.
10. Franich, A.A., Živković, M.D., Milovanović, J., Arsenijević, D., Arsenijević, A., Milovanović, M., Djuran, M.I., Rajković, S., [In vitro cytotoxic activities, DNA- and BSA-binding studies of dinuclear palladium\(II\) complexes with different pyridine-based bridging ligands](#) (2020), Journal of Inorganic Biochemistry 210, art. no. 111158.
11. Savić, N.D., Petković, B.B., Vojnovic, S., Mojicevic, M., Wadepohl, H., Olaifa, K., Marsili, E., Nikodinovic-Runic, J., Djuran, M.I., Glišić, B., [Dinuclear silver\(i\) complexes with a pyridine-based macrocyclic type of ligand as antimicrobial agents against clinically relevant species: The influence of the counteranion on the structure diversification of the complexes](#) (2020), Dalton Transaction 49 (31), pp. 10880–10894.
12. Petrović, A., Živanović, M., Puchta, R., Čočić, D., Scheurer, A., Milivojevic, N., Bogojeski, J., [Experimental and quantum chemical study on the DNA/protein binding and the biological activity of a rhodium\(iii\) complex with 1,2,4-triazole as an inert ligand](#) (2020), Dalton Transactions 49 (26), pp. 9070–9085.
13. Dimitrijević, J., Arsenijević, A.N., Milovanović, M.Z., Arsenijević, N.N., Milovanović, J.Z., Stanković, A.S., Bukonjić, A.M., Tomović, D.L., Ratković, Z.R., Potočňák, I., Samol'ová, E., Radić, G.P., [Synthesis, characterization and cytotoxic activity of binuclear copper\(II\)-complexes with some S-isoalkyl derivatives of thiosalicylic acid. Crystal structure of the binuclear copper\(II\)-complex with S-isopropyl derivative of thiosalicylic acid](#) (2020), Journal of Inorganic Biochemistry 208, art. no. 111078.
14. Kubiak, A., Ciric, A., Biesaga, M., [Dummy molecularly imprinted polymer \(DMIP\) as a sorbent for bisphenol S and bisphenol F extraction from food samples](#) (2020), Microchemical Journal 156, art. no. 104836.
15. Andrejević, T.P., Waržajtis, B., Glišić, B.Đ., Vojnovic, S., Mojicevic, M., Stevanović, N.L., Nikodinovic-Runic, J., Rychlewska, U., Djuran, M.I., [Zinc\(II\) complexes with aromatic nitrogen-containing heterocycles as antifungal agents: Synergistic activity with clinically used drug nystatin](#) (2020), Journal of Inorganic Biochemistry 208, art. no. 111089.
16. Živić, I., Elezović-Hadžić, S., Marčetić, D., Milošević, S., [Critical properties of semi-flexible polymer chains situated within the simple cubic lattice](#) (2020), Journal of Statistical Mechanics: Theory and Experiment 2020 (6), art. no. 063208.
17. Andrejevic, T.P., Milivojevic, D., Glišić, B.Đ., Kljun, J., Stevanovic, N.L., Vojnovic, S., Medic, S., Nikodinovic-Runic, J., Turel, I., Djuran, M.I., [Silver\(i\) complexes with different pyridine-4,5-dicarboxylate ligands as efficient agents for the control of cow mastitis associated pathogens](#) (2020), Dalton Transactions 49 (18), pp. 6084–6096.

18. Maksimovic, J.P., Tošovic, J., Pagnacco, M.C., [Insight into the origin of pyrocatechol inhibition on oscillating bray-liebafsky reaction: Combined experimental and theoretical study](#) (2020) Bulletin of the Chemical Society of Japan 93 (5), pp. 676–684.
19. Benazic, S., Silconi, Z.B., Jevtovic, A., Jurisevic, M., Milovanovic, J., Mijajlovic, M., Nikolic, M., Kanjevac, T., Potočňák, I., Samol'ová, E., Ratkovic, Z.R., Radic, G., Milovanovic, M., Pantic, J., Arsenijevic, N., Radosavljevic, G.D., [The Zn\(S-pr-thiosal\)<sub>2</sub> complex attenuates murine breast cancer growth by inducing apoptosis and G1/S cell cycle arrest](#) (2020), Future Medicinal Chemistry 12 (10), pp. 897–914.
20. Ražná, K., Sawinska, Z., Ivanišová, E., Vukovic, N., Terentjeva, M., Stričík, M., Kowalczewski, P.Ł., Hlavačková, L., Rovná, K., Žiarovská, J., Kačaniová, M., [Properties of Ginkgo biloba L.: Antioxidant characterization, antimicrobial activities, and genomic microRNA based marker fingerprints](#) (2020), International Journal of Molecular Sciences 21 (9), art. no. 3087.
21. Franich, A.A., Živković, M.D., Ilić-Tomić, T., Đorđević, I.S., Nikodinović-Runić, J., Pavić, A., Janjić, G.V., Rajković, S., [New minor groove covering DNA binding mode of dinuclear Pt\(II\) complexes with various pyridine-linked bridging ligands and dual anticancer-antiangiogenic activities](#) (2020), Journal of Biological Inorganic Chemistry 25 (3), pp. 395–409.
22. Pešić, M., Bugarinović, J., Minić, A., Novaković, S.B., Bogdanović, G.A., Todosijević, A., Stevanović, D., Damljanović, I., [Electrochemical characterization and estimation of DNA-binding capacity of a series of novel ferrocene derivatives](#) (2020), Bioelectrochemistry 132, art. no. 107412.
23. Milenkovic, B., Stajic, J.M., Zeremski, T., Strbac, S., Stojic, N., Nikezic, D., [Is Kragujevac city still a “hot spot” area, twenty years after the bombing?](#) (2020), Chemosphere 245, art. no. 125610.
24. Obradović, A., Matić, M., Ognjanović, B., Đurđević, P., Marinković, E., Ušćumlić, G., Božić, B., Božić Nedeljковиć, B., [Antiproliferative and antimigratory effects of 3-\(4-substituted benzyl\)-5-isopropyl-5-phenylhydantoin derivatives in human breast cancer cells](#) (2020), Saudi Pharmaceutical Journal 28 (3), pp. 246–254.
25. Đurić, S., Vojnovic, S., Pavic, A., Mojicevic, M., Wadepohl, H., Savić, N.D., Popsavin, M., Nikodinovic-Runic, J., Djuran, M.I., Glišić, B.Đ., [New polynuclear 1,5-naphthyridine-silver\(I\) complexes as potential antimicrobial agents: The key role of the nature of donor coordinated to the metal center](#) (2020), Journal of Inorganic Biochemistry 203, art. no. 110872.
26. Pešić, M., Bugarinović, J., Minić, A., Bogdanović, G.A., Todosijević, A., Stevanović, D., Damljanović, I., [Synthesis and Electrochemical Estimation of DNA-Binding Capacity of Novel Ferrocene-Containing Pyrrolidines](#) (2020), Journal of the Electrochemical Society 167 (2), art. no. 025502.
27. Petrović, I., Jeknić-Dugić, J., Arsenijević, M., Dugić, M., [Dynamical stability of the weakly nonharmonic propeller-shaped planar Brownian rotator](#) (2020), Physical Review E 101 (1), art. no. 012105.
28. Vukic, M.D., Vukovic, N.L., Obradovic, A., Matic, M., Djukic, M., Avdovic, E., [Redox status, DNA and HSA binding study of naturally occurring naphthoquinone derivatives](#) (2020), EXCLI Journal 19, pp. 48–70.
29. Milović, E., Janković, N., Vraneš, M., Stefanović, S., Petronijević, J., Joksimović, N., Muškinja, J., Ratković, Z., [Green one-pot synthesis of pyrido-dipyrimidine DNA-base hybrids in water](#) (2020), Environmental Chemistry Letters...

30. Kumburovic, I., Selakovic, D., Juric, T., Jovicic, N., Mihailovic, V., Stankovic, J.K., Sreckovic, N., Kumburovic, D., Jakovljevic, V., Rosic, G., [Antioxidant effects of satureja hortensis L. attenuate the anxiogenic effect of cisplatin in rats](#) (2020), Oxidative Medicine and Cellular Longevity 2019, art. no. 8307196.
31. Kosanić, M.M., Šeklić, D.S., Jovanović, M.M., Petrović, N.N., Marković, S.D., [Hygrophorus eburneus, edible mushroom, a promising natural bioactive agent](#) (2020), EXCLI Journal 19, pp. 442–457.
32. Ciric, A., Krajnc, B., Heath, D., Ogrinc, N., [Response surface methodology and artificial neural network approach for the optimization of ultrasound-assisted extraction of polyphenols from garlic](#) (2020), Food and Chemical Toxicology 135, art. no. 110976.
33. Kačániová, M., Galovičová, L., Ivanišová, E., Vukovic, N.L., Štefániková, J., Valková, V., Borotová, P., Žiarovská, J., Terentjeva, M., Felšöciová, S., Tvrda, E., [Antioxidant, Antimicrobial and Antibiofilm Activity of Coriander \(Coriandrum sativum L.\) Essential Oil for Its Application in Foods](#) (2020), Foods 9 (3), art. no. 282.
34. Đurić, S.Ž., Vojnovic, S., Andrejević, T.P., Stevanović, N.L., Savić, N.D., Nikodinovic-Runic, J., Glišić, B., Djuran, M.I., [Antimicrobial Activity and DNA/BSA Binding Affinity of Polynuclear Silver\(I\) Complexes with 1,2-Bis\(4-pyridyl\)ethane/ethene as Bridging Ligands](#) (2020), Bioinorganic Chemistry and Applications 2020, art. no. 3812050.
35. Stojanovic, B., Svcevic, M., Kaplarevic-Malistic, A., Gilbert, R.J., Mijailovich, S.M., [Multi-scale striated muscle contraction model linking sarcomere length-dependent cross-bridge kinetics to macroscopic deformation](#) (2020), Journal of Computational Science 39, art. no. 101062.
36. Konovalov, B., Franich, A.A., Jovanović, M., Jurisević, M., Gajović, N., Jovanović, M., Arsenijević, N., Maric, V., Jovanović, I., Živković, M.D., Rajković, S., [Synthesis, DNA-/bovine serum albumin-binding affinity, and cytotoxicity of dinuclear platinum\(II\) complexes with 1,6-naphthyridine-bridging ligand](#) (2020), Applied Organometallic Chemistry...
37. Vukic, M.D., Vukovic, N.L., Popovic, S.L., Todorovic, D.V., Djurdjevic, P.M., Matic, S.D., Mitrovic, M.M., Popovic, A.M., Kacaniova, M.M., Baskic, D.D., [Effect of  \$\beta\$ -cyclodextrin encapsulation on cytotoxic activity of acetylshikonin against HCT-116 and MDA-MB-231 cancer cell lines](#) (2020), Saudi Pharmaceutical Journal 28 (1), pp. 136–146.

## M22 (укупно: 59)

1. Simijonović, D., Vlachou, E.-E.N., Litinas, K.E., Petrović, Z.D., Petrović, V.P., [Synthesis, structural characterization, and molecular docking study of new phthalhydrazide-coumarin hybrids](#) (2021), Journal of Molecular Structure 1226, art. no. 129366.
2. Milanović, Ž.B., Dimić, D.S., Avdović, E.H., Milenković, D.A., Marković, J.D., Klisurić, O.R., Trifunović, S.R., Marković, Z.S., [Synthesis and comprehensive spectroscopic \(X-ray, NMR, FTIR, UV–Vis\), quantum chemical and molecular docking investigation of 3-acetyl-4 hydroxy 2-oxo-2H-chromen-7-yl acetate](#) (2021), Journal of Molecular Structure 1225, art. no. 129256.
3. Milović, E., Janković, N., Bogdanović, G.A., Petronijević, J., Joksimović, N., [On water synthesis of the novel 2-oxo-1,2,3,4-tetrahydropyrimidines](#) (2021), Tetrahedron 78, art. no. 131790.
4. Đorđević, S., Radenković, S., [Singlet and triplet states of the sandwich-type  \$Be\_2B\_6\$  and  \$Be\_2B\_7^{\pm}\$  clusters. A test for the electron counting rules of aromaticity](#) (2020), New Journal of Chemistry 44 (45), pp. 19780–19788.

5. Delibasic, H., Petrovic, V., Petrovic, I., [Laser breakdown in water induced by  \$\lambda = 532\$  nm nanosecond pulses: Analytical calculation of the number density of free electrons](#) (2020), Journal of the Physical Society of Japan 89 (11), art. no. 114501.
6. Savović, S., Djordjevich, A., Savović, I., [Theoretical investigation of bending loss in step-index plastic optical fibers](#) (2020), Optics Communications 475, art. no. 126200.
7. Đurić, S.Ž., Warzajtis, B., Drašković, N.S., Savić, N.D., Gurešić, D.M., Rychlewska, U., Djuran, M.I., [Modulation of the structure of octahedral 1,3-pdta-nickel\(II\) complex by introducing methyl substituents at the central 1,3-propanediamine carbon atom: Stereospecific formation and the crystal structure of  \$\[\text{Mg}\(\text{H}\_2\text{O}\)\_5\text{Ni}\(2,2\text{-diMe-1,3-pdta}\)\] \cdot 1.5\text{H}\_2\text{O}\$](#)  (2020), Polyhedron 191, art. no. 114812.
8. Ristić, S., Stamenković, S., Stojković Piperac, M., Šajn, R., Kosanić, M., Ranković, B. [Searching for lichen indicator species: the application of self-organizing maps in air quality assessment - a case study from Balkan area \(Serbia\)](#) (2020), Environmental Monitoring and Assessment 192 (11), art. no. 693.
9. Hua, H., Wang, H., Gutman, I., [Comparing eccentricity-based graph invariants](#) (2020), Discussiones Mathematicae - Graph Theory 40 (4), pp. 1111–1125.
10. Djukić, M.B., Jeremić, M.S., Filipović, I.P., Klisurić, O.R., Jelić, R.M., Popović, S., Matić, S., Onnis, V., Matović, Z.D., [Ruthenium\(II\) Complexes of Isothiazole Ligands: Crystal Structure, HSA/DNA Interactions, Cytotoxic Activity and Molecular Docking Simulations](#) (2020), ChemistrySelect 5 (37), pp. 11489–11502.
11. Nikolić, J.Đ., Đorđević, S., Radenković, S., [Heteroatom effects on aromaticity of five-membered rings in acenaphthylene analogs](#) (2020), Journal of Molecular Modeling 26 (10), art. no. 275.
12. Gulan, L., Jakšić, T., Milenkovic, B., Stajic, J.M., Vasić, P., Simić, Z., Zlatić, N., [Mosses as bioindicators of radionuclide and metal pollution in northern Kosovo and Metohija mountain region](#) (2020), Journal of Radioanalytical and Nuclear Chemistry 326 (1), pp. 315–327.
13. Gutman, I., [Cycle energy and its size dependence](#) (2020), Discrete Applied Mathematics 284, pp. 534–537.
14. Jovičić Milić, S.S., Jevtić, V.V., Lj. Stojković, D., Petrović, Đ.S., Avdović, E.H., Marković, Z.S., Radojević, I.D., Čomić, L., Mladenović, V.S., [Synthesis, characterization and antimicrobial activity of palladium\(II\) complexes with O,O'-dialkyl esters of \(S,S\)-ethylenediamine-N,N'-di-\(3,3'-1H-indol-3yl\)-propionic acid](#) (2020), Inorganica Chimica Acta 510, art. no. 119743.
15. Milenković, D.A., Dimić, D.S., Avdović, E.H., Marković, Z.S., [Several coumarin derivatives and their Pd\(ii\) complexes as potential inhibitors of the main protease of SARS-CoV-2, an in silico approach](#) (2020), RSC Advances 10 (58), pp. 35099–35108.
16. Milovanović, V.M., Petrović, Z.D., Novaković, S., Bogdanović, G.A., Petrović, V.P., Simijonović, D., [Green synthesis of benzamide-dioxoisindoline derivatives and assessment of their radical scavenging activity - Experimental and theoretical approach](#) (2020), Tetrahedron 76 (38), art. no. 131456.
17. Minić, A., Pešić, M.S., Novaković, S.B., Bogdanović, G.A., Todosijević, A., Komatina, D.I., Stevanović, D., [Synthesis, structural and electrochemical characterization of novel ferrocene-containing tetrahydropyrimidin-2\(1H\)-ones](#) (2020), Journal of Organometallic Chemistry 923, art. no. 121422.

18. Gitarić, J., Stanojević, I.M., Rodić, M.V., Drašković, N.S., Stevanović, M., Vojnović, S., Djuran, M.I., Glišić, B.Đ., [Structural characterization and biological evaluation of polynuclear Mn\(II\) and Cd\(II\) complexes with 2,2-dimethyl-1,3-propanediamine-N,N,N',N'-tetraacetate. The influence of ligand structure and counter cation on the complex nuclearity](#) (2020), *Polyhedron* 188, art. no. 114688.
19. Bošković, M., Franich, A.A., Rajković, S., Jovanović, M., Jurisević, M., Gajović, N., Jovanović, M., Arsenijević, N., Jovanović, I., Živković, M.D., [Potential Antitumor Effect of Newly Synthesized Dinuclear 1,5-Naphthyridine-Bridging Palladium\(II\) Complexes](#) (2020), *ChemistrySelect* 5 (34), pp. 10549–10555.
20. Redžepović, I., Furtula, B., [Predictive potential of eigenvalue-based topological molecular descriptors](#) (2020), *Journal of Computer-Aided Molecular Design* 34 (9), pp. 975–982.
21. Kačaniová, M., Terentjeva, M., Galovičová, L., Ivanišová, E., Štefániková, J., Valková, V., Borotová, P., Łukasz Kowalczewski, P., Kunová, S., Felšöciová, S., Tvrda, E., Žiarovská, J., Benda Prokeinová, R., Vukovic, N., [Biological Activity and Antibiofilm Molecular Profile of Citrus aurantium Essential Oil and Its Application in a Food Model](#) (2020), *Molecules* 25 (17), art. no. 3956.
22. Jakovljević, M.R., Grujičić, D., Vukajlović, J.T., Marković, A., Milutinović, M., Stanković, M., Vuković, N., Vukić, M., Milošević-Djordjević, O., [In vitro study of genotoxic and cytotoxic activities of methanol extracts of Artemisia vulgaris L. and Artemisia alba Turra](#) (2020), *South African Journal of Botany* 132, pp. 117–126.
23. Ferrari, P., Jovanovic, Z., Bakhanova, E., Becker, F., Krstic, D., Jansen, J., Principi, S., Teles, P., Clairand, I., Knezevic, Ž., [Absorbed dose in the operator's brain in interventional radiology practices: evaluation through KAP value conversion factors](#) (2020), *Physica Medica* 76, pp. 177–181.
24. Radisavljević, S., Đeković Kesić, A., Čočić, D., Puchta, R., Senft, L., Milutinović, M., Milivojević, N., Petrović, B., [Studies of the stability, nucleophilic substitution reactions, DNA/BSA interactions, cytotoxic activity, DFT and molecular docking of some tetra- And penta-coordinated gold\(III\) complexes](#) (2020), *New Journal of Chemistry* 44 (26), pp. 11172–11187.
25. Kostić, M.D., Mihajlović, K., Divac, V.M., [Kinetic Study of the Pyridine-Catalyzed Selenolactonization of 4-Pentenoic Acid](#) (2020), *Catalysis Letters* 150 (7), pp. 2076–2081.
26. Savović, S., Djordjevich, A., [Investigation of mode coupling in low and high NA step index plastic optical fibres using the Langevin equation](#) (2020), *Journal of Modern Optics* 67 (11), pp. 958–962.
27. Twinkle, A.R., Leenaraj, D.R., Ratkovic, Z., Arunsasi, B.S., Bright, K.C., Reshma, R., [Ferrocenyl chalcone derivative \(E\)-3-\(2-methylpyrimidin-5-yl\)-1-ferrocenylprop-2-en-1-one: Synthesis, Structural analysis, Docking study and their Antibacterial evaluation](#) (2020), *Journal of Molecular Structure* 1210, art. no. 128049.
28. Redžepović, I., Mao, Y., Wang, Z., Furtula, B., [Steiner degree distance indices: Chemical applicability and bounds](#) (2020), *International Journal of Quantum Chemistry* 120 (12), art. no. e26209.

29. Milenković, D., Avdović, E., Dimić, D., Sudha, S., Ramarajan, D., Milanović, Trifunović, S., Marković, Z.S., [Vibrational and Hirshfeld surface analyses, quantum chemical calculations, and molecular docking studies of coumarin derivative 3-\(1-m-toluidinoethylidene\)-chromane-2,4-dione and its corresponding palladium\(II\) complex](#) (2020), Journal of Molecular Structure 1209, art. no. 127935.
30. Savković, M.E., Udovičić, V., Maletić, D., Pantelić, G., Ujić, P., Čeliković, I., Forkapić, S., Marković, V., Arsić, V., Ilić, J., Markoski, B., [Results of the first national indoor radon survey performed in Serbia](#) (2020), Journal of Radiological Protection 40 (2), p. 22.
31. Milutinović, M., Čurović, D., Nikodijević, D., Vukajlović, F., Predojević, D., Marković, S., Pešić, S., [The silk of \*Plodia interpunctella\* as a potential biomaterial and its cytotoxic effect on cancer cells](#) (2020), Animal Biotechnology 31 (3), pp. 195–202.
32. Avdović, E.H., Milanović, Ž.B., Živanović, M.N., Šeklić, D.S., Radojević, I.D., Čomić, L.R., Trifunović, S.R., Amić, A., Marković, Z.S., [Synthesis, spectroscopic characterization, biological activity, DFT and molecular docking study of novel 4-hydroxycoumarine derivatives and corresponding palladium\(II\) complexes](#) (2020), Inorganica Chimica Acta 504, art. no. 119465.
33. Atanasov, R., Furtula, B., Škrekovski, R., [Trees With Minimum Weighted Szeged Index Are of a Large Diameter](#) (2020), Symmetry 12 (5), art. no. 793.
34. Panić, J., Tot, A., Janković, N., Drid, P., Gadžurić, S., Vraneš, M., [Physicochemical and structural properties of lidocaine-based ionic liquids with anti-inflammatory anions](#) (2020), RSC Advances 10 (24), pp. 14089–14098.
35. Grujičić, D., Marković, A., Vukajlović, J.T., Stanković, M., Jakovljević, M.R., Ćirić, A., Djordjević, K., Planojević, N., Milutinović, M., Milošević-Djordjević, O., [Genotoxic and cytotoxic properties of two medical plants \(\*Teucrium arduini\* L. and \*Teucrium flavum\* L.\) in relation to their polyphenolic contents](#) (2020), Mutation Research - Genetic Toxicology and Environmental Mutagenesis 852, art. no. 503168.
36. Savović, S., Djordjevich, A., [Mode coupling in bent and twisted step-index plastic-clad silica fibers](#) (2020), Laser Physics Letters 17 (3), art. no. 035104.
37. Medjedović, M., Simović, A.R., Ćočić, D., Milutinović, M., Senft, L., Blagojević, S., Milivojević, N., Petrović, B., [Dinuclear ruthenium\(II\) polypyridyl complexes: Mechanistic study with biomolecules, DNA/BSA interactions and cytotoxic activity](#) (2020), Polyhedron 178, art. no. 114334.
38. Đurić, S.Ž., Mojicevic, M., Vojnovic, S., Wadepohl, H., Andrejević, T.P., Stevanović, N.L., Nikodinovic-Runic, J., Djuran, M.I., Glišić, B.Đ. [Silver\(I\) complexes with 1,10-phenanthroline-based ligands: The influence of epoxide function on the complex structure and biological activity](#) (2020), Inorganica Chimica Acta 502, art. no. 119357.
39. Minić, A., Novaković, S.B., Bogdanović, G.A., Bugarinović, J.P., Pešić, M.S., Todosijević, A., Komatina, D.I., Damljanović, I., Stevanović, D., [Synthesis and structural characterizations of novel atropoisomeric ferrocene-containing six-membered cyclic ureas](#) (2020), Polyhedron 177, art. no. 114316.
40. Antić, M., Đorđević, S., Furtula, B., Radenković, S., [Magnetically Induced Current Density in Nonplanar Fully Benzenoid Hydrocarbons](#) (2020), Journal of Physical Chemistry A 124 (2), pp. 371–378.

41. Djordjevic, J., Nešovic, E., [On Bishop frame of a pseudo null curve in Minkowski space-time](#) (2020), Turkish Journal of Mathematics 44 (3), pp. 870–882.
42. Marković, A., Tubić Vukajlović, J., Grujičić, D., Radović Jakovljević, M., Stanković, M., Djordjević, K., Djelić, N., Radaković, M., Milošević-Djordjević, O., [Methanol extracts of Teucrium arduini L. and Teucrium flavum L. induce protective effect against mitomycin C in human lymphocytes in vitro](#) (2020), Drug and Chemical Toxicology, Volume 45, 2022 - Issue 2, pp. 940–946.
43. Redzepovic, I., Furtula, B., Gutman, I., [Relating Total  \$\pi\$ -Electron energy of benzenoid hydrocarbons with HOMO and LOMO Energies](#) (2020), Match 84 (1), pp. 229–237.
44. Redžepović, I., Furtula, B., [On degeneracy of  \$\alpha\$ -eigenvalue-based molecular descriptors and r-equienenergetic chemical trees](#) (2020), Match 84 (2), pp. 385–397.
45. Djordjevic, R., Ikodinovic, N., Stojanovic, N., [A Propositional Metric Logic with Fixed Finite Ranges](#) (2020), Fundamenta Informaticae 174 (2), pp. 185–199.
46. Jurić, T., Katanić Stanković, J.S., Rosić, G., Selaković, D., Joksimović, J., Mišić, D., Stanković, V., Mihailović, V., [Protective effects of Alchemilla vulgaris L. extracts against cisplatin-induced toxicological alterations in rats](#) (2020), South African Journal of Botany 128, pp. 141–151.
47. Vujović, M., Ragavendran, V., Arsić, B., Kostić, E., Mladenović, M., [DFT calculations as an efficient tool for prediction of Raman and infra-red spectra and activities of newly synthesized cathinones](#) (2020) Open Chemistry 18 (1), pp. 185–195.
48. Drljača, B., Simović, A., Djordjevich, A., Savović, S., [Wavelength dependence of equilibrium mode distribution and steady state distribution in W-type plastic-clad silica fibers](#) (2020), Optical Fiber Technology 54, art. no. 102077.
49. Akbari, S., Ghahremani, M., Gutman, I., Koorepazan-Moftakhar, F., [Orderenergetic graphs](#) (2020), Match 84 (2), pp. 325–334.
50. Milutinović, M.J., Jojić, D., Timotijević, M., Vrećica, S.T., Živaljević, R.T., [Combinatorics of unavoidable complexes](#) (2020), European Journal of Combinatorics 83, art. no. 103004.
51. Popović, N., Raković, M., Đuknić, J., Csányi, B., Szekeres, J., Borza, P., Slobodnik, J., Liška, I., Milošević, D., Kolarević, S., Simić, V., Tubić, B., Paunović, M., [The relationship between river basin specific \(Rbs\) pollutants and macroinvertebrate communities](#) (2020), Journal of Limnology 79 (1), pp. 59–69.
52. Savić-Zdravković, D., Milošević, D., Uluer, E., Duran, H., Matić, S., Stanić, S., Vidmar, J., Ščančar, J., Dikić, D., Jovanović, B., [A Multiparametric Approach to Cerium Oxide Nanoparticle Toxicity Assessment in Non-Biting Midges](#) (2020), Environmental Toxicology and Chemistry 39 (1), pp. 131–140.
53. Tvrdá, E., Michalko, J., Árvay, J., Vukovic, N.L., Ivanišová, E., Ďuračka, M., Matušíková, I., Kačániová, M., [Characterization of the Omija \(Schisandra chinensis\) Extract and Its Effects on the Bovine Sperm Vitality and Oxidative Profile during in Vitro Storage](#) (2020), Evidence-based Complementary and Alternative Medicine 2020, art. no. 7123780.
54. Milenković, A., Takači, Đ., Božić, R., [On the influence of software application for visualization in teaching double integrals](#) (2020) Interactive Learning Environments, Volume 30, 2022 - Issue 7, pp. 1291–1306.



55. Kasalović, M.P., Petrović, A., Živković, J.M., Kuckling, L., Jevtić, V.V., Bogojeski, J., Leka, Z.B., Trifunović, S.R., Pantelić, N.Đ., [Evaluation of DNA/BSA interactions and DFT calculations of gold\(III\), zinc\(II\) and palladium\(II\) complexes with triammonium N-dithiocarboxyiminodiacetate](#) (2020), Journal of Molecular Structure art. no. 129622.
56. Joksimović, N., Janković, N., Petronijević, J., Baskić, D., Popovic, S., Todorović, D., Zarić, M., Klisurić, O., Vraneš, M., Tot, A., Bugarčić, Z., [Synthesis, anticancer evaluation and synergistic effects with cisplatin of novel palladium complexes: DNA, BSA interactions and molecular docking study](#) (2020), Medicinal Chemistry 16 (1), pp. 78–92.
57. Tokodi, N., Backović, D.D., Lujić, J., Ščekić, I., Simić, S., Dordević, N., Dulić, T., Miljanović, B., Kitanović, N., Marinović, Z., Savela, H., Meriluoto, J., Svirčev, Z., [Protected freshwater ecosystem with incessant cyanobacterial blooming awaiting a resolution](#) (2020), Water (Switzerland) 12 (1), art. no. 129.
58. Maletić, S., Ivančev-Tumbas, I., Brossas, A., Antonijević, M., Časlavský, J., Jovančićević, B., Matović, Z., Kongoli, R., MajlindaVasjari, Petrović, M., Andrejić, N., Popov, S., Vesović, N.L., Tabet, J.-C., Warnet, A., Darko Anđelković, Gajica, G., Anđelković, T., [Overview of Erasmus+ NETCHEM project: ICT networking for overcoming technical and social barriers in instrumental analytical chemistry education](#) (2020), Environmental Science and Pollution Research, Volume 28, pp. 2479–2483.
59. Lj. Kuzmanović, M. M. Milošević, M.S. Kovačević, A. Djordjevich, [An estimation of far-field intensity distribution for photonic crystal fibers based on empirical relations](#) (2020), Optical and Quantum Electronics, Volume 52, art. no. 67.

## M23 (укупно: 35)

1. Perišić, V., Perišić, V., Vukajlović, F., Predojević, D., Rajičić, V., Andrić, G., Kljajić, P., [Effects of abamectin on lesser grain borer, Rhyzopertha dominica F. \(Coleoptera: Bostrichidae\), infestation on some stored grains](#) (2020), Egyptian Journal of Biological Pest Control 30 (1), art. no. 116
2. Savović, S., Djordjevich, A., Simović, A., Drljača, B., [Influence of mode coupling on three spatially multiplexed channels in multimode graded index plastic optical fibers](#) (2020), Laser Physics 30 (11), art. no. 115102.
3. Stojadinovic, M., Trifunovic, T., Jankovic, S., [Adaptation of the prostate biopsy collaborative group risk calculator in patients with PSA less than 10 ng/ml improves its performance](#) (2020), International Urology and Nephrology 52 (10), pp. 1811–1819.
4. Savović, S., Djordjevich, A., Simović, A., Drljača, B., [Spatial division multiplexing in nine-core graded index plastic optical fibers](#) (2020), Laser Physics 30 (9), art. no. 095103.
5. Petrovic, M., Popovic, S., Baskic, D., Todorovic, M., Djurdjevic, P., Ristic-Fira, A., Keta, O., Petkovic, V., Koricanac, L., Stojkovic, D., Jevtic, V., Trifunovic, S., Todorovic, D., [The effects of newly synthesized platinum\(IV\) complexes on cytotoxicity and radiosensitization of human tumour cells in vitro](#) (2020), Anticancer Research 40 (9), pp. 5001–5013.
6. Ašanin, D.P., Stanojević, I.M., Andrejević, T.P., Glišić, B.Đ., Djuran, M.I., [Reactions of gold\(III\) complexes with l-histidine-containing dipeptides: influence of chelated ligand and N-terminal amino acid on the rate of peptide coordination](#) (2020), Journal of Coordination Chemistry 73 (15), pp. 2182–2194.

7. Žugić Petrović, T.D., Ilić, P.D., Grujović, M.Ž., Mladenović, K.G., Kocić-Tanackov, S.D., Čomić, L.R., [Assessment of safety aspect and probiotic potential of autochthonous \*Enterococcus faecium\* strains isolated from spontaneous fermented sausage](#) (2020), *Biotechnology Letters* 42 (8), pp. 1513–1525.
8. Živković, M.D., Franich, A.A., Ašanin, D.P., Drašković, N.S., Rajković, S., Djuran, M.I., [Hydrolysis of the Amide Bond in L-Methionine- and L-Histidine-Containing Dipeptides in the Presence of Dinuclear Palladium\(II\) Complexes with Benzodiazines Bridging Ligands](#) (2020), *Journal of Solution Chemistry* 49 (7-8), pp. 1082–1093.
9. Drljača, B., Simović, A., Djordjevich, A., Savović, S., [Influence of wavelength on equilibrium mode distribution and steady state distribution in W-Type plastic optical fibers](#) (2020), *Laser Physics* 30 (7), art. no. 075101.
10. Stojanović, M., Tsekova, R., Trakić, T., Sekulić, J., [On the presence of the endemic earthworm \*Dendrobaena rhodopensis\* \(Cernovitov, 1937\) in the Balkan Peninsula: Biogeographical consideration and conservation status](#) (2020), *North-Western Journal of Zoology* 16 (1), pp. 59–63.
11. Savović, S., Djordjevich, A., Simović, A., Drljača, B., [Influence of mode coupling on angular division multiplexing in seven-core plastic optical fibers](#) (2020), *Laser Physics* 30 (6), art. no. 065103.
12. Manić, V., Manić, G., Nikezić, D., Krstić, D., [Effect of buildup factors on indoor gamma dose rate](#) (2020), *Radiation Protection Dosimetry* 190 (2), pp. 132–138.
13. Stojadinovic, M., Vukovic, I., Ivanovic, M., Stojadinovic, M., Milovanovic, D., Pantic, D., Jankovic, S., [Optimal threshold of the prostate health index in predicting aggressive prostate cancer using predefined cost–benefit ratios and prevalence](#) (2020), *International Urology and Nephrology* 52 (5), pp. 893–901.
14. Shoukry, M.M., Shehata, M.R., Ragab, M.S., Ćorčić, D., Puchta, R., van Eldik, R., [Kinetics, mechanism and density functional theory calculations on base hydrolysis of  \$\alpha\$ -amino acid esters catalyzed by  \$\[\text{Pd}\(\text{AEMP}\)\(\text{H}\_2\text{O}\)\_2\]^{2+}\$  \(AEMP = 2-\(2-aminoethyl\)-1-methylpyrrolidine\)](#) (2020), *Reaction Kinetics, Mechanisms and Catalysis* 129 (2), pp. 613–626.
15. Kosanić, M., Petrović, N., Stanojković, T., [Bioactive properties of \*Clitocybe geotropa\* and \*Clitocybe nebularis\*](#) (2020), *Journal of Food Measurement and Characterization* 14 (2), pp. 1046–1053.
16. Grozdanic, N., Kosanic, M., Zdunic, G., Savikin, K., Etahiri, S., Assobhei, O., Benba, J., Petovic, S., Matic, I.Z., Stanojkovic, T.P., Djuricic, I., [Fucus spiralis extract and fractions: Anticancer and pharmacological potentials](#) (2020), *Journal of B.U.ON.* 25 (2), pp. 1219–1229.
17. Redžepović, I., Furtula, B., [On relationships of eigenvalue-based topological molecular descriptors](#) (2020), *Acta Chimica Slovenica* 67 (1), pp. 312–318.
18. Markovic, V.M., Stevanovic, N., Nikezic, D., [Monte Carlo investigation of electron specific energy distribution in a single cell model](#) (2020), *Radiation and Environmental Biophysics* 59 (1), pp. 161–171.
19. Redžepović, I., Marković, S., [Theoretical study on the heat of formation of some polycyclic aromatic hydrocarbons](#) (2020), *Chemical Papers* 74 (3), pp. 829–836.

20. Čomić, L.R., Radojević, I.D., Vasić, S.M., Mladenović, K.G., Grujović, M.Ž., [Traditionally made red wines produced from an autochthonous grapevine variety as a source of biologically active compounds and their antioxidant potential](#) (2020), Journal of Food and Nutrition Research 59 (4), pp. 301–310.
21. Heinemann, F.W., Bugarčić, Ž.D., Soldatović, T.V., [Crystal structures of trans-diiodidobis\(2-hydroxyethylamine\) platinum\(II\) and trans-dichloridobis\(2,2'-dihydroxydiethylamine\) platinum\(II\)](#) (2020), Macroheterocycles 13 (3), pp. 210–214.
22. Hinić, D., Zotović, M., Beara, M., Rakić-Bajić, G., [Relationship of Problematic Internet Use and Positive Orientation Indicators in Adolescents](#) (2020), Psihologija 53 (4), pp. 341–357.
23. Grbovic, F.J., Gajic, G.M., Brankovic, S.R., Simic, Z.B., Vukovic, N.L., Pavlovic, P.Ž., Topuzovic, M.D., [Complex effect of Robinia pseudoacacia L. And ailanthus altissima \(Mill.\) Swingle growing on asbestos deposits: Allelopathy and biogeochemistry](#) (2020), Journal of the Serbian Chemical Society 85 (1), pp. 141–153.
24. Savović, S.M., Djordjevich, A., [Explicit finite difference solution for contaminant transport problems with constant and oscillating boundary conditions](#) (2020), Thermal Science 24, pp. 2225–2231.
25. Čoćić, D., Puchta, R., van Eldik, R., [Noble guests in organic cages - encapsulation of noble gases by cryptophane](#) (2020), Journal of Coordination Chemistry 73 (17-19), pp. 2602–2612.
26. Balović, J., Čoćić, D., Puchta, R., Scheurer, A., Eldik, R.V., [The influence of the bridgehead in Saalfrank-type cryptands: prediction of ion selectivity by quantum chemical calculations XII<sup>†</sup>](#) (2020), Journal of Coordination Chemistry pp. 1–11.
27. Luković, J., Mitrović, M., Popović, S., Milosavljević, Z., Stanojević-Pirković, M., An-Elković, M., Zelen, I., Šorak, M., Muškinja, J., Ratković, Z., Nikolić, I., [Antitumor effects of vanillin based chalcone analogs in vitro](#) (2020) Acta Poloniae Pharmaceutica - Drug Research 77 (1), pp. 57–67.
28. Čoćić, D., Siegl, S., Manaa, A., Begel, S., Hubbard, C.D., Puchta, R., [Host-guest Complexes of Two Isomeric 2,2'-Bioxazole Based {2}-Lehn-Type Cryptands. Prediction of Ion Selectivity by Quantum Chemical Calculations. Part XIV](#) (2020), Macroheterocycles 13 (3), pp. 215–222.
29. Felšöciová, S., Vukovic, N., Jeżowski, P., Kačániová, M., [Antifungal activity of selected volatile essential oils against Penicillium sp.](#) (2020), Open Life Sciences 15 (1), pp. 511–521.
30. Simović, A.R., Bogojeski, J., Petrović, B., Jovanović-Stević, S., [Bis-pyrazolylpyridine complexes of some transition metal ions: Structure-activity relationships and biological activity](#) (2020), Macroheterocycles 13 (3), pp. 201–209.
31. Paunović, M.G., Matic, M.M., Stanković, V.D., Milošević, M.D., Jevtić, V.V., Trifunović, S.R., Ognjanović, B.I., [Evaluation of Toxic Effects of Novel Platinum \(IV\) Complexes in Female Rat Liver: Potential Protective Role of Resveratrol](#) (2020), Cell Biochemistry and Biophysics, Volume 79, pp. 141–152.
32. Drljača, B., Simović, A., Savović, S., Djordjevich, A., [Influence of wavelength on the bandwidth of W-type plastic-clad silica optical fibers](#) (2020), Laser Physics 30 (2), art. no. 025103.

33. Gvozdenac, S., Tanasković, S., Vukajlović, F., Prvulović, D., Ovuka, J., Višacki, V., Sedlar, A., [Host and ovipositional preference of rice weevil \(\*Sitophilus oryzae\*\) depending on feeding experience](#) (2020), Applied Ecology and Environmental Research 18 (5), pp. 6663–6673.
34. Stanković, N., Mihajilov-Krstev, T., Zlatković, B., Stankov-Jovanović, V., Kocić, B., Čomić, L., [Antibacterial and antioxidant activity of wild-growing Angelica species \(Apiaceae\) from Balkan Peninsula against human pathogenic bacteria: 'in honor of famous natural historian Dr Josif Pančić \(1814-1888\)'](#) (2020), Journal of Essential Oil Research, Volume 32, 2020 - Issue 5, pp. 1-10.
35. Kosanić, M., Petrović, N., Milošević-Djordjević, O., Grujičić, D., Tubić, J., Marković, A., Stanojković, T., [The health promoting effects of the fruiting bodies extract of the peppery milk cap mushroom \*Lactarius piperatus\* \(Agaricomycetes\) from Serbia](#) (2020), International Journal of Medicinal Mushrooms 22 (4), pp. 347–357.

# 2021.

## M21a (укупно: 10)

1. Amić, A., Marković, J.M.D., Marković, Z., Milenković, D., Milanović, Ž., Antonijević, M., Cagardová, D.M., Pedregal, J.R.-G., [Theoretical study of radical inactivation, lox inhibition, and iron chelation: The role of ferulic acid in skin protection against uva induced oxidative stress](#) (2021), *Antioxidants* 10 (8), art. no. 1303.
2. Antonijević, M.R., Simijonović, D.M., Avdović, E.H., Ćirić, A., Petrović, Z.D., Marković, J.D., Stepanić, V., Marković, Z.S., [Green one-pot synthesis of coumarin-hydroxybenzohydrazide hybrids and their antioxidant potency](#) (2021), *Antioxidants* 10 (7), art. no. 1106.
3. Cruz, R., Gutman, I., Rada, J., [Sombor index of chemical graphs](#) (2021), *Applied Mathematics and Computation* 399, art. no. 126018.
4. Vujošević, S., Popivoda, G., Kovijanić Vukićević, Ž., Furtula, B., Škrekovski, R., [Arithmetic–geometric index and its relations with geometric–arithmetic index](#) (2021), *Applied Mathematics and Computation* 391, art. no. 125706
5. Petrović, A.Z., Ćočić, D.C., Bockfeld, D., Živanović, M., Milivojević, N., Virijević, K., Janković, N., Scheurer, A., Vraneš, M., Bogojeski, J.V., [Biological activity of bis\(pyrazolylpyridine\) and terpyridine Os\(II\) complexes in the presence of biocompatible ionic liquids](#) (2021), *Inorganic Chemistry Frontiers* 8 (11), pp. 2749–2770
6. Radenković, S., Shaik, S.S., Braïda, B., [Na···B Bond in NaBH<sub>3</sub>–: Solving the Conundrum](#) (2021), *Angewandte Chemie - International Edition* 60 (23), pp. 12723–12726
7. Stajic, J.M., Markovic, V.M., Milenkovic, B., Stevanovic, N., Nikezic, D., [Distribution of alpha particle tracks on CR-39 detector in radon diffusion chamber](#) (2021), *Radiation Physics and Chemistry* 181, art. no. 109340.
8. Milović, E., Janković, N., Vraneš, M., Stefanović, S., Petronijević, J., Joksimović, N., Muškinja, J., Ratković, Z., [Green one-pot synthesis of pyrido-dipyrimidine DNA-base hybrids in water](#) (2021), *Environmental Chemistry Letters* 19 (1), pp. 729–736.
9. Vujaković, J., Ljajko, E., Pavlović, M., Radenović, S., [On some new contractive conditions in complete metric spaces](#) (2021), *Mathematics* 9 (2), art. no. 118, pp. 1–10.
10. Mitrovski-Bogdanović, A., Mitrović, M., Milošević, M.I., Žikić, V., Jamhour, A., Ivanović, A., Tomanović, Ž., [Molecular and morphological variation among the European species of the genus \*Aphidius\* Nees \(Hymenoptera: Braconidae: Aphidiinae\)](#) (2021), *Organisms Diversity and Evolution*, ...

## M21 (укупно: 47)

1. Milanović, Ž., Dimić, D., Žižić, M., Milenković, D., Marković, Z., Avdović, E., [Mechanism of antiradical activity of newly synthesized 4,7-dihydroxycoumarin derivatives-experimental and kinetic DFT study](#) (2021), International Journal of Molecular Sciences 22 (24), art. no. 13273.
2. Drljača, B., Savović, S., Kovačević, M.S., Simović, A., Kuzmanović, L., Djordjevich, A., Min, R., [Calculation of bandwidth of multimode step-index polymer photonic crystal fibers](#) (2021), Polymers 13 (23), art. no. 4218.
3. Simović, A., Savović, S., Drljača, B., Djordjevich, A., Min, R., [Theoretical investigation of the influence of wavelength on the bandwidth in multimode W-type plastic optical fibers with graded-index core distribution](#) (2021), Polymers 13 (22), art. no. 3973.
4. Mladenović, K.G., Grujović, M.Ž., Kiš, M., Furmeg, S., Tkalec, V.J., Stefanović, O.D., Kocić-Tanackov, S.D., [Enterobacteriaceae in food safety with an emphasis on raw milk and meat](#) (2021), Applied Microbiology and Biotechnology 105 (23), pp. 8615–8627.
5. Li, L., He, R., Soares, M.S., Savovic, S., Hu, X., Marques, C., Min, R., Li, X., [Embedded FBG-Based Sensor for Joint Movement Monitoring](#) (2021), IEEE Sensors Journal 21 (23), pp. 26793–26798.
6. Vasić, I., Rajković, S., Arsenijević, A., Milovanović, M., Arsenijević, N., Milovanović, J., Živković, M.D., [In vitro and in vivo activity of series of cationic dinuclearPt\(II\) complexes](#) (2021), Journal of Inorganic Biochemistry 225, art. no. 111619.
7. Kunová, S., Sendra, E., Haščík, P., Vukovic, N.L., Vukic, M., Kačániová, M., [Influence of essential oils on the microbiological quality of fish meat during storage](#) (2021), Animals 11 (11), art. no. 3145.
8. Zankl, M., Gómez Ros, J.-M., Moraleda, M., Reichelt, U., Akar, D.K., Borbinha, J., Desorgher, L., Di Maria, S., EL Bakkali, J., Fantinova, K., Ferrari, P., Gossio, S., Hunt, J., Jovanovic, Z., Kim, H.S., Krstic, D., Lee, Y.-K., Nadar, M.Y., Nikezic, D., Patni, H.K., Murugan, M., Triviño, S., [Monte Carlo calculation of organ dose coefficients for internal dosimetry: Results of an international intercomparison exercise](#) (2021), Radiation Measurements 148, art. no. 106661.
9. Eakins, J., Huet, C., Brkić, H., Capello, K., Desorgher, L., Epstein, L., Hunt, J.G., Kim, H.S., Krstic, D., Lee, Y.-K., Manohari, M., Nikezic, D., Shukrun, R.H., Souza-Santos, D., Tymińska, K., [Monte Carlo calculation of organ and effective dose rates from ground contaminated by Am-241: Results of an international intercomparison exercise](#) (2021), Radiation Measurements 148, art. no. 106649.
10. Gómez-Ros, J.M., Moraleda, M., Arce, P., Bui, D.-K., Dang, T.-M.-L., Desorgher, L., Kim, H.S., Krstic, D., Kuć, M., Le, N.-T., Lee, Y.-K., Nguyen, N.-Q., Nikezic, D., Tymińska, K., Vrba, T., [Monte Carlo calculation of the organ equivalent dose and effective dose due to immersion in a <sup>16</sup>N beta source in air using the ICRP reference phantoms](#) (2021), Radiation Measurements 145, art. no. 106612.
11. Simović, A., Djordjevich, A., Drljača, B., Savović, S., [Power flow in multimode W-type plastic optical fibers with graded index core distribution](#) (2021), Optics and Laser Technology 143, art. no. 107295.

12. Mihović, N., Tomašević, N., Matić, S., Mitrović, M.M., Kostić, D.A., Sabatino, M., Antonini, L., Ragno, R., Mladenović, M., [Human Estrogen Receptor  \$\alpha\$  Antagonists. Part 1: 3-D QSAR-Driven Rational Design of Innovative Coumarin-Related Antiestrogens as Breast Cancer Suppressants through Structure-Based and Ligand-Based Studies](#) (2021), Journal of Chemical Information and Modeling 61 (10), pp. 5028–5053.
13. Vasiljević, J., Feuerhake, F., Wemmert, C., Lampert, T., [Towards histopathological stain invariance by Unsupervised Domain Augmentation using generative adversarial networks](#) (2021), Neurocomputing 460, pp. 277–291.
14. Kačanićová, M., Galovičová, L., Borotová, P., Valková, V., Ďúranová, H., Kowalczewski, P.Ł., Said-Al Ahl, H.A.H., Hikal, W.M., Vukic, M., Savitskaya, T., Grinshpan, D., Vukovic, N.L., [Chemical composition, in vitro and in situ antimicrobial and antibiofilm activities of syzygium aromaticum \(Clove\) essential oil](#) (2021), Plants 10 (10), art. no. 2185.
15. Galovičová, L., Borotová, P., Valková, V., Vukovic, N.L., Vukic, M., Štefániková, J., Ďúranová, H., Kowalczewski, P.Ł., Čmiková, N., Kačanićová, M., [Thymus vulgaris essential oil and its biological activity](#) (2021), Plants 10 (9), art. no. 1959.
16. Galovičová, L., Borotová, P., Valková, V., Vukovic, N.L., Vukic, M., Terentjeva, M., Štefániková, J., Ďúranová, H., Kowalczewski, P.Ł., Kačanićová, M., [Thymus serpyllum essential oil and its biological activity as a modern food preserver](#) (2021), Plants 10 (7), art. no. 1416.
17. Klůga, A., Terentjeva, M., Vukovic, N.L., Kačanićová, M., [Antimicrobial activity and chemical composition of essential oils against pathogenic microorganisms of freshwater fish](#) (2021), Plants 10 (7), art. no. 1265.
18. Jakovljević, D., Momčilović, J., Bojović, B., Stanković, M., [The short-term metabolic modulation of basil \(\*Ocimum basilicum\* l. cv. 'genovese'\) after exposure to cold or heat](#) (2021), Plants 10 (3), art. no. 590, pp. 1–16.
19. Petronijević, J., Joksimović, N., Milović, E., Crnogorac, M.Đ., Petrović, N., Stanojković, T., Milivojević, D., Janković, N., [Antitumor activity, DNA and BSA interactions of novel copper\(II\) complexes with 3,4-dihydro-2\(1H\)-quinoxalinones](#) (2021), Chemico-Biological Interactions 348, art. no. 109647
20. Simović, A., Drljača, B., Savović, S., Djordjevich, A., Min, R., [Investigation of bandwidth in multimode graded-index plastic optical fibers](#) (2021), Optics Express 29 (19), pp. 29587–29594.
21. Radić, S., Janićević, S., Jovković, D., Spasojević, D., [The effect of finite driving rate on avalanche distributions](#) (2021), Journal of Statistical Mechanics: Theory and Experiment (2021), (9), art. no. 093301.....
22. Olaiifa, K., Nikodinovic-Runic, J., Glišić, B., Boschetto, F., Marin, E., Segreto, F., Marsili, E., [Electroanalysis of \*Candida albicans\* biofilms: A suitable real-time tool for antifungal testing](#) (2021), Electrochimica Acta 389, art. no. 138757.
23. Marković, S.M., Živančev, D., Horvat, D., Torbica, A., Jovankić, J., Djukić, N.H., [Correlation of elongation factor 1A accumulation with photosynthetic pigment content and yield in winter wheat varieties under heat stress conditions](#) (2021), Plant Physiology and Biochemistry 166, pp. 572–581.

24. Jovanović-Stević, S., Radisavljević, S., Scheurer, A., Čočić, D., Šmit, B., Petković, M., Živanović, M.N., Virijević, K., Petrović, B., [Bis\(triazinyl\)pyridine complexes of Pt\(II\) and Pd\(II\): studies of the nucleophilic substitution reactions, DNA/HSA interactions, molecular docking and biological activity](#) (2021), *Journal of Biological Inorganic Chemistry* 26 (5), pp. 625–637.
25. Franich, A.A., Đorđević, I.S., Živković, M.D., Rajković, S., Janjić, G.V., Djuran, M.I., [Dinuclear platinum\(II\) complexes as the pattern for phosphate backbone binding: a new perspective for recognition of binding modes to DNA](#) (2021), *Journal of Biological Inorganic Chemistry*, ...
26. Popović, L.Č., Simić, S., Kovačević, A., Ilić, D., [Detecting subparsec supermassive binary black holes: Long-term monitoring perspective](#) (2021), *Monthly Notices of the Royal Astronomical Society* 505 (4), pp. 5192–5211.
27. Kovačević, A.B., Ilić, D., Popović, L.Č., Radović, V., Jankov, I., Yoon, I., Caplar, N., Čvorović-Hajdinjak, I., Simić, S., [On possible proxies of AGN light-curves cadence selection in future time domain surveys](#) (2021), *Monthly Notices of the Royal Astronomical Society* 505 (4), pp. 5012–5028.
28. Piperac, P., Todorovic, J., Terzic-Supic, Z., Maksimovic, A., Karic, S., Pilipovic, F., Soldatovic, I., [The validity and reliability of the copenhagen burnout inventory for examination of burnout among preschool teachers in Serbia](#) (2021), *International Journal of Environmental Research and Public Health* 18 (13), art. no. 6805.
29. Lazić, D., Scheurer, A., Čočić, D., Milovanović, J., Arsenijević, A., Stojanović, B., Arsenijević, N., Milovanović, M., Rilak Simović, A., [A new bis-pyrazolylpyridine ruthenium\(III\) complex as a potential anticancer drug: in vitro and in vivo activity in murine colon cancer](#) (2021), *Dalton Transactions* 50 (22), pp. 7686–7704.
30. Andrejević, T.P., Aleksic, I., Počkaj, M., Kljun, J., Milivojevic, D., Stevanović, N.L., Nikodinovic-Runic, J., Turel, I., Djuran, M.I., Glišić, B.Đ., [Tailoring copper\(II\) complexes with pyridine-4,5-dicarboxylate esters for anti-Candida activity](#) (2021), *Dalton Transactions* 50 (7), pp. 2627–2638.
31. Jovković, D., Janičević, S., Mijatović, S., Laurson, L., Spasojević, D., [Effects of external noise on threshold-induced correlations in ferromagnetic systems](#) (2021), *Physical Review E* 103 (6), art. no. 062114.
32. Radenković, S., Đorđević, S., [Relating nucleus independent chemical shifts with integrated current density strengths](#) (2021), *Physical Chemistry Chemical Physics* 23 (19), pp. 11240–11250.
33. Todorovic, Z., Milovanovic, J., Arsenijevic, D., Vukovic, N., Vukic, M., Arsenijevic, A., Djurdjevic, P., Milovanovic, M., Arsenijevic, N., [Shikonin derivatives from \*Onosmodium visianii\* decrease expression of phosphorylated stat3 in leukemia cells and exert antitumor activity](#) (2021), *Nutrients* 13 (4), art. no. 1147.
34. Stamenković, O., Simić, V., Stojković Piperac, M., Milošević, D., Simić, S., Ostojić, A., Đorđević, N., Čerba, D., Petrović, A., Jenačković Gocić, D., Đurđević, A., Koh, M., Buzhdygan, O.Y., [Direct, water-chemistry mediated, and cascading effects of human-impact intensification on multitrophic biodiversity in ponds](#) (2021), *Aquatic Ecology* 55 (1), pp. 187–214.



35. Konovalov, B., Franich, A.A., Jovanović, M., Jurisević, M., Gajović, N., Jovanović, M., Arsenijević, N., Maric, V., Jovanović, I., Živković, M.D., Rajković, S., [Synthesis, DNA-/bovine serum albumin-binding affinity, and cytotoxicity of dinuclear platinum\(II\) complexes with 1,6-naphthyridine-bridging ligand](#) (2021), Applied Organometallic Chemistry 35 (3), art. no. e6112.
36. Jovanović-Stević, S., Čočić, D., Puchta, R., Bogojeski, J., Jurišević, M., Gajović, N., Jakovljević, S., Arsenijević, N., Jovanović, I., Petrović, B., [Assessment of biological activity of the caffeine-derived Pt \(II\) and Pd \(II\) complexes](#) (2021), Applied Organometallic Chemistry, ...
37. Mihailovic, V., Katanic Stankovic, J.S., Selakovic, D., Rosic, G., [An Overview of the Beneficial Role of Antioxidants in the Treatment of Nanoparticle-Induced Toxicities](#) (2021), Oxidative Medicine and Cellular Longevity 2021, art. no. 7244677.
38. Avdović, E.H., Petrović, I.P., Stevanović, M.J., Saso, L., Dimitrić Marković, J.M., Filipović, N.D., Živić, M.Ž., Cvetić Antić, T.N., Žižić, M.V., Todorović, N.V., Vukić, M., Trifunović, S.R., Marković, Z.S., [Synthesis and Biological Screening of New 4-Hydroxycoumarin Derivatives and Their Palladium\(II\) Complexes](#) (2021), Oxidative Medicine and Cellular Longevity 2021, art. no. 8849568.
39. Arsenijevic, N., Selakovic, D., Katanic Stankovic, J.S., Mihailovic, V., Mitrovic, S., Milenkovic, J., Milanovic, P., Vasovic, M., Markovic, S.D., Zivanovic, M., Grujic, J., Jovicic, N., Rosic, G., [The Beneficial Role of Filipendula ulmaria Extract in Prevention of Prodepressant Effect and Cognitive Impairment Induced by Nanoparticles of Calcium Phosphates in Rats](#) (2021), Oxidative Medicine and Cellular Longevity 2021, art. no. 6670135.
40. Popović-Djordjević, J.B., Katanić Stanković, J.S., Mihailović, V., Pereira, A.G., Garcia-Oliveira, P., Prieto, M.A., Simal-Gandara, J., [Algae as a source of bioactive compounds to prevent the development of type 2 diabetes mellitus](#) (2021), Current Medicinal Chemistry 28 (23), pp. 4592–4615.
41. Popovic, A., Deljanin, M., Popovic, S., Todorovic, D., Djurdjevic, P., Matic, S., Stankovic, M., Avramovic, D., Baskic, D., [Chelidonium majus crude extract induces activation of peripheral blood mononuclear cells and enhances their cytotoxic effect toward HeLa cells](#) (2021), International Journal of Environmental Health Research, ...
42. Wang, Z., Mao, Y., Li, Y., Furtula, B., [On relations between Sombor and other degree-based indices](#) (2021), Journal of Applied Mathematics and Computing,...
43. Stevanović, N.Lj., Aleksic, I., Kljun, J., Bogojevic, S.S., Veselinovic, A., Nikodinovic-Runic, J., Turel, I., Djuran, M.I., Glišić, B.Đ., [Copper\(I\) and zinc\(II\) complexes with the clinically used fluconazole: Comparison of antifungal activity and therapeutic potential](#) (2021), Pharmaceuticals 14 (1), art. no. 24, pp. 1–20.
44. Perišić, V., Vuković, S., Perišić, V., Luković, K., Vukajlović, F., Hadnađev, M., Dapčević-Hadnađev, T., [The influence of Rhizopertha dominica \(F.\) on the technological quality of cereal grains treated with diatomaceous earth](#) (2021), Journal of Stored Products Research 90, art. no. 101750.
45. Marković, S., Redžepović, I., Furtula, B., [Dependence of the Enthalpy of Formation of Phenols on Molecular Structure - Semiempirical Study](#) (2021), Polycyclic Aromatic Compounds 41 (8), pp. 1755–1766.

46. Nikodijević, D.D., Milutinović, M.G., Cvetković, D.M., Čupurdija, M.Đ., Jovanović, M.M., Mrkić, I.V., Jankulović-Gavrović, M.Đ., Marković, S.D., [Impact of bee venom and melittin on apoptosis and biotransformation in colorectal carcinoma cell lines](#) (2021), Toxin Reviews 40 (4), pp. 1272–1279.
47. Wang, Z., Mao, Y., Furtula, B., Wang, X., [Bounds for the spectral radius and energy of extended adjacency matrix of graphs](#) (2021), Linear and Multilinear Algebra 69 (10), pp. 1813–1824.

## M22 (укупно: 61)

1. Kovačević, M.S., Milošević, M.M., Kuzmanović, Lj., Djordjevich, A., [Modeling electromagnetic performance of plasma sustained by surface-waves](#) (2021), Chinese Journal of Physics 74, pp. 262–269.
2. Petrović, Đ.S., Milić, S.S.J., Đukić, M.B., Radojević, I.D., Jelić, R.M., Jurišević, M.M., Radić, G.P., Gajović, N.M., Arsenijević, N.N., Jovanović, I.P., Marković, N.V., Lj. Stojković, D., Jevtić, V.V., [Synthesis, characterization, HSA/DNA binding, cytotoxicity study, and antimicrobial activity of new palladium\(II\) complexes with some esters of \(S,S\)-propylenediamine-N,N'-di-2-\(3-methyl\)butanoic acid](#) (2021), Inorganica Chimica Acta 528, art. no. 120601.
3. Savović, S., Kovačević, M.S., Drljača, B., Simović, A., Kuzmanović, Lj., Djordjevich, A., [Power flow in multimode step-index plastic photonic crystal fibers](#) (2021), Optik 247, art. no. 167868.
4. Savović, S., Kovačević, M.S., Simović, A., Kuzmanović, L., Drljača, B., Djordjevich, A., [Method for investigation of mode coupling in multimode step-index silica photonic crystal fibers](#) (2021), Optik 246, art. no. 167728.
5. Simović, A., Savović, S., Drljača, B., Djordjevich, A., [Wavelength dependent transmission in W-type plastic optical fibers with graded index core distribution](#) (2021), Optik 246, art. no. 167775.
6. Radisavljević, S., Scheurer, A., Bockfeld, D., Čočić, D., Puchta, R., Senft, L., Pešić, M., Damljanović, I., Petrović, B., [New mononuclear gold\(III\) complexes: Synthesis, characterization, kinetic, mechanistic, DNA/BSA/HSA binding, DFT and molecular docking studies](#) (2021), Polyhedron 209, art. no. 115446.
7. Joksimović, N., Petronijević, J., Čočić, D., Janković, N., Milović, E., Kosanić, M., Petrović, N., [Synthesis, characterization, biological evaluation, BSA binding properties, density functional theory and molecular docking study of Schiff bases](#) (2021), Journal of Molecular Structure 1244, art. no. 130952.
8. Stanojević, I.M., Glišić, B.Đ., Radanović, D.D., Djuran, M.I., [Copper\(II\) complexes of aminopolycarboxylate ligands with N<sub>2</sub>O<sub>2</sub>, N<sub>2</sub>O<sub>3</sub> and N<sub>2</sub>O<sub>4</sub> donor sets. The relationship between the ligand structure and molecular geometry of the complex](#) (2021), Journal of Molecular Structure 1232, art. no. 130001.
9. Stevanović, N.L., Glišić, B.Đ., Vojnovic, S., Wadepohl, H., Andrejević, T.P., Đurić, S.Ž., Savić, N.D., Nikodinovic-Runic, J., Djuran, M.I., Pavic, A., [Improvement of the anti-Candida activity of itraconazole in the zebrafish infection model by its coordination to silver\(I\)](#) (2021), Journal of Molecular Structure 1232, art. no. 130006.
10. Avdović, E.H., Dimić, D.S., Fronc, M., Kožišek, J., Klein, E., Milanović, Ž.B., Kesić, A., Marković, Z.S., [Structural and theoretical analysis, molecular docking/dynamics investigation of 3-\(1-m-chloridoethylidene\)-chromane-2,4-dione: The role of chlorine atom](#) (2021), Journal of Molecular Structure 1231, art. no. 129962.

11. Kasalović, M.P., Petrović, A., Živković, J.M., Kuckling, L., Jevtić, V.V., Bogojeski, J., Leka, Z.B., Trifunović, S.R., Pantelić, N.Đ., [Evaluation of DNA/BSA interactions and DFT calculations of gold\(III\), zinc\(II\) and palladium\(II\) complexes with triammonium N-dithiocarboxyiminodiacetate](#) (2021), Journal of Molecular Structure 1229, art. no. 129622.
12. Simijonović, D., Vlachou, E.-E.N., Litinas, K.E., Petrović, Z.D., Petrović, V.P., [Synthesis, structural characterization, and molecular docking study of new phthalhydrazide-coumarin hybrids](#) (2021), Journal of Molecular Structure 1226, art. no. 129366.
13. Milanović, Ž.B., Dimić, D.S., Avdović, E.H., Milenković, D.A., Marković, J.D., Klisurić, O.R., Trifunović, S.R., Marković, Z.S., [Synthesis and comprehensive spectroscopic \(X-ray, NMR, FTIR, UV-Vis\), quantum chemical and molecular docking investigation of 3-acetyl-4-hydroxy-2-oxo-2H-chromen-7-yl acetate](#) (2021), Journal of Molecular Structure 1225, art. no. 129256.
14. Nikodijević, D.D., Jovankić, J.V., Cvetković, D.M., Anđelković, M.Z., Nikezić, A.G., Milutinović, M.G., [L-amino acid oxidase from snake venom: Biotransformation and induction of apoptosis in human colon cancer cells](#) (2021), European Journal of Pharmacology 910, art. no. 174466.
15. Stevanović, D., Bugarinović, J., Pešić, M., Todosijević, A., Bogdanović, G.A., Damljanović, I., [Chemoselective synthesis of multifunctional ferrocene-containing derivatives by the cross Rauhut-Currier reaction](#) (2021), RSC Advances 11 (57), pp. 36208–36214.
16. Srećković, N.Z., Nedić, Z.P., Liberti, D., Monti, D.M., Mihailović, N.R., Katanić Stanković, J.S., Dimitrijević, S., Mihailović, V.B., [Application potential of biogenically synthesized silver nanoparticles using: Lythrum salicaria L. extracts as pharmaceuticals and catalysts for organic pollutant degradation](#) (2021), RSC Advances 11 (56), pp. 35585–35599.
17. Milanović, Z.B., Antonijević, M.R., Amić, A.D., Avdović, E.H., Dimić, D.S., Milenković, D.A., Marković, Z.S., [Inhibitory activity of quercetin, its metabolite, and standard antiviral drugs towards enzymes essential for SARS-CoV-2: The role of acid-base equilibria](#) (2021), RSC Advances 11 (5), pp. 2838–2847.
18. Zlatić, N.M., Krstić, D.Ž., Stanković, M.S., [Radioactivity level in relation to geological substrate: dynamics of natural and artificial radionuclides on Teucrium montanum L. \(Lamiaceae\) habitats](#) (2021), Environmental Monitoring and Assessment 193 (11), art. no. 749.
19. Drobac Backović, D., Tokodi, N., Marinović, Z., Lujić, J., Dulić, T., Simić, S.B., Đorđević, N.B., Kitanović, N., Šćekić, I., Urbányi, B., Meriluoto, J., Svirčev, Z., [Cyanobacteria, cyanotoxins, and their histopathological effects on fish tissues in Fehérvárcsurgó reservoir, Hungary](#) (2021), Environmental Monitoring and Assessment 193 (9), art. no. 554.
20. Beni, M.S., Watabe, H., Krstic, D., Nikezic, D., Yu, K.N., [MCHP \(Monte Carlo + Human Phantom\): Platform to facilitate teaching nuclear radiation physics](#) (2021), PLoS ONE 16 (9 September), art. no. e0257638.
21. Beni, M.S., Krstic, D., Nikezic, D., Yu, K.N., [A comparative study on dispersed doses during photon and proton radiation therapy in pediatric applications](#) (2021), PLoS ONE 16 (3 March), art. no. e0248300.
22. Gulan, L., Stajic, J.M., Milenkovic, B., Zeremski, T., Milic, S., Krstic, D., [Plant uptake and soil retention of radionuclides and metals in vineyard environments](#) (2021) Environmental Science and Pollution Research, 28 (36), pp. 49651–49662.

23. Maletić, S., Ivančev-Tumbas, I., Brossas, A., Antonijević, M., Časlavský, J., Jovančičević, B., Matović, Z., Kongoli, R., MajlindaVasjari, Petrović, M., Andrejić, N., Popov, S., Vesović, N.L., Tabet, J.-C., Warnet, A., Darko Anđelković, Gajica, G., Anđelković, T., [Overview of Erasmus+ NETCHEM project: ICT networking for overcoming technical and social barriers in instrumental analytical chemistry education](#) (2021), *Environmental Science and Pollution Research* 28 (2), pp. 2479–2483.
24. Petrović, M.M., Roschger, C., Chaudary, S., Zierer, A., Mladenović, M., Marković, V., Trifunović, S., Joksović, M.D., [Low cytotoxic quinoline-4-carboxylic acids derived from vanillin precursors as potential human dihydroorotate dehydrogenase inhibitors](#) (2021), *Bioorganic and Medicinal Chemistry Letters* 46, art. no. 128194.
25. Redžepović, I., Radenković, S., Furtula, B., [Effect of a ring onto values of eigenvalue-based molecular descriptors](#) (2021), *Symmetry* 13 (8), art. no. 1515.
26. Indulal, G., Alex, L., Gutman, I., [On graphs preserving PI index upon edge removal](#) (2021), *Journal of Mathematical Chemistry* 59 (7), pp. 1603–1609.
27. Gutman, I., [Relation between geometric–arithmetic and arithmetic-geometric indices](#) (2021), *Journal of Mathematical Chemistry* 59 (6), pp. 1520–1525.
28. Redžepović, I., Furtula, B., [Comparative study on structural sensitivity of eigenvalue-based molecular descriptors](#) (2021), *Journal of Mathematical Chemistry* 59 (2), pp. 476–487.
29. Valková, V., Ďúranová, H., Galovičová, L., Vukovic, N.L., Vukic, M., Kačániová, M., [In vitro antimicrobial activity of lavender, mint, and rosemary essential oils and the effect of their vapours on growth of penicillium spp. in a bread model system](#) (2021), *Molecules* 26 (13), art. no. 3859.
30. Ašanin, D.P., Bogojević, S.S., Perdih, F., Andrejević, T.P., Milivojevic, D., Aleksic, I., Nikodinovic-Runic, J., Glišić, B.Đ., Turel, I., Djuran, M.I., [Structural characterization, antimicrobial activity and BSA/DNA binding affinity of new silver\(I\) complexes with thianthrene and 1,8-naphthyridine](#) (2021), *Molecules* 26 (7), art. no. 1871.
31. Han, P., Li, L., Zhang, H., Guan, L., Marques, C., Savović, S., Ortega, B., Min, R., Li, X., [Low-cost plastic optical fiber sensor embedded in mattress for sleep performance monitoring](#) (2021), *Optical Fiber Technology* 64, art. no. 102541.
32. Mijatović, S., Jovković, D., Janičević, S., Graovac, S., Spasojević, D., [A tool for identifying the criticality in the disordered systems with metastable dynamics](#) (2021), *Physica A: Statistical Mechanics and its Applications* 572, art. no. 125883.
33. Jevtić, F.D., Timotijević, M., Živaljević, R.T., [Polytopal Bier Spheres and Kantorovich–Rubinstein Polytopes of Weighted Cycles](#) (2021), *Discrete and Computational Geometry* 65 (4), pp. 1275–1286.
34. Radenković, S., [A method for analyzing the cyclic electron delocalization interaction between different rings in polycyclic molecules](#) (2021), *International Journal of Quantum Chemistry* 121 (9), art. no. e26597.
35. Radenković, S., Redžepović, I., Đorđević, S., Furtula, B., Tratnik, N., Žigert Pleteršek, P., [Relating vibrational energy with Kekulé- and Clar-structure-based parameters](#) (2021), *International Journal of Quantum Chemistry*...

36. Marinović, Z., Tokodi, N., Backović, D.D., Ščekić, I., Kitanović, N., Simić, S.B., Đorđević, N.B., Ferincz, Á., Staszny, Á., Dulić, T., Meriluoto, J., Urbányi, B., Lujčić, J., Svirčev, Z., [Does the Kis-balaton water protection system \(Kbwps\) effectively safeguard lake balaton from toxic cyanobacterial blooms?](#) (2021), *Microorganisms* 9 (5), art. no. 960.
37. Milašinović, M., Prodanović, D., Zindović, B., Stojanović, B., Milivojević, N., [Control theory-based data assimilation for hydraulic models as a decision support tool for hydropower systems: Sequential, multi-metric tuning of the controllers](#) (2021), *Journal of Hydroinformatics* 23 (3), pp. 500–516.
38. Kovačević, M.S., Kuzmanović, L., Milošević, M.M., Djordjević, A., [An estimation of the axial structure of surface-wave produced plasma column](#) (2021), *Physics of Plasmas* 28 (2), art. no. 023502.
39. Milović, E., Janković, N., Bogdanović, G.A., Petronijević, J., Joksimović, N., [On water synthesis of the novel 2-oxo-1,2,3,4-tetrahydropyrimidines](#) (2021), *Tetrahedron* 78, art. no. 131790.
40. Gutman, I., Redžepović, I., Furtula, B., Sahal, A.M., [Energy of Graphs with Self-Loops](#) (2021), *Match* 87 (3), pp. 645–652.
41. Zogic, E., Borovicanin, B., Glogic, E., Milovanovic, I., Milovanovic, E., New bounds for some spectrum{based topological indices of graphs (2021), *Match* 86 (3), pp. 685–701...
42. Das, K.C., Gutman, I., Upper bounds on distance energy (2021), *Match* 86 (3), pp. 611–620...
43. Mao, Y., Furtula, B., Steiner distance in chemical graph theory (2021), *Match* 86 (2), pp. 211–287...
44. Das, K.Ch., Mao, Y., Gutman, I., On distance{based graph invariants (2021), *Match* 86 (2), pp. 375–393
45. Ali, A., Furtula, B., Gutman, I., Vukicevic, D., Augmented zagreb index: Extremal results and bounds (2021), *Match* 85 (2), pp. 211–244...
46. Amalanathan, M., Michael Mary, M.S., Beatrice, M.L., Delphine, S.M., Robert, H.M., Twinkle, A.R., Ratkovic, Z., Samson, Y., [Synthesis, structural, spectroscopic and docking studies on \(E\)-1-Ferrocenyl-3-phenylpropen-1-one by the density functional theory](#) (2021), *Molecular Simulation*, ...
47. Sredojević, B.V., Bojović, D.R., [Fractional order convergence rate estimate of finite-difference method for the heat equation with concentrated capacity](#) (2021), *Filomat* 35 (1), pp. 331–338.
48. Radović Jakovljević, M., Stanković, M., Vuković, N., Vukić, M., Grujičić, D., Milošević-Djordjević, O., [Comparative study of the genotoxic activity of Artemisia vulgaris L. and Artemisia alba Turra extracts in vitro](#) (2021), *Drug and Chemical Toxicology*, ...
49. Matic, M.M., Paunović, M.G., Milošević, M.D., Ognjanović, B.I., Saičić, Z.S., [Hematoprotective effects and antioxidant properties of  \$\beta\$ -glucan and vitamin C against acetaminophen-induced toxicity: an experimental study in rats](#) (2021), *Drug and Chemical Toxicology* 44 (3), pp. 302–309.

50. Paunović, M.G., Matic, M.M., Obradović, A.D., Jevtić, V.V., Stojković, D.L., Ognjanović, B.I., [Antiproliferative, antimigratory, and prooxidative potential of novel platinum\(IV\) complexes and resveratrol on breast cancer \(MDA-MB-231\) and choriocarcinoma \(JEG-3\) cell lines](#) (2021), Drug Development Research, ...
51. Raković, I., Bogojeski, J., Mladenović, K., Petrović, A., Divac, V., Mihailović, K., Popovska Jovčić, B., Kostić, M., Canović, P., Milivojević, N., Zivanović, M., Radojević, I., [Synthesis, characterization and biological studies of organoselenium trans-palladium\(II\) complexes](#) (2021), Medicinal Chemistry 17 (9), pp. 1007–1022.
52. Milovanović, V., Petrović, Z.D., Novaković, S., Bogdanović, G.A., Simijonović, D., Mladenović, M., Branković, J., Petrović, V.P., [Pyrazole derivatives of medically relevant phenolic acids: Insight into antioxidative and anti-lox activity](#) (2021), Medicinal Chemistry 17 (8), pp. 807–819.
53. Joksimović, N., Petronijević, J., Janković, N., Kosanić, M., Milivojević, D., Vraneš, M., Tot, A., Bugarčić, Z., [Synthesis, characterization, antioxidant activity of  \$\beta\$ -diketonates, and effects of coordination to copper\(II\) ion on their activity: Dna, bsa interactions and molecular docking study](#) (2021), Medicinal Chemistry 17 (5), pp. 519–532.
54. Milošević-Djordjević, O., Vukajlović, J.T., Marković, A., Grujičić, D., Arsenijević, P., Arsenijević, S., [Assessment of chromosomal damage in umbilical blood lymphocytes of newborns from Kragujevac in central Serbia born 18 years after environmental contamination](#) (2021), Tohoku Journal of Experimental Medicine 255 (3), pp. 213–219.
55. Savović, S., Drljača, B., Djordjevich, A., [A comparative study of two different finite difference methods for solving advection–diffusion reaction equation for modeling exponential traveling wave in heat and mass transfer processes](#) (2021) Ricerche di Matematica, ...
56. Balović, J., Čočić, D., Đorđević, S., Radenković, S., van Eldik, R., Puchta, R., [A theoretical mechanistic study of  \$\[K \subset \[2.2.2\]\]^+\$  enantiomerization](#) (2021), Journal of Physical Organic Chemistry, ...
57. Danas, M.M., [The mixed metric dimension of flower snarks and wheels](#) (2021), Open Mathematics 19 (1), pp. 629–640.
58. Stanković, J., Milošević, D., Jovanović, B., Savić-Zdravković, D., Petrović, A., Raković, M., Stanković, N., Stojković Piperac, M., [In Situ Effects of a Microplastic Mixture on the Community Structure of Benthic Macroinvertebrates in a Freshwater Pond](#) (2021), Environmental Toxicology and Chemistry, ...
59. Maksimović, T.V., Maksimović, J.P., Tančić, P.I., Potkonjak, N.I., Nedić, Z.P., Joksović, L.G., Pagnacco, M.C., [A possible connection between phosphate tungsten bronzes properties and briggs-rauscher oscillatory reaction response](#) (2021), Science of Sintering 53 (2), pp. 223–235.
60. Milanovic, Ž.B., Markovic, Z.S., Dimic, D.S., Klisuric, O.R., Radojevic, I.D., Šeklic, D.S., Živanovic, M.N., Markovic, J.D., Radulovic, M., Avdovic, E.H., [Synthesis, structural characterization, biological activity and molecular docking study of 4,7-dihydroxycoumarinmodified by aminophenol derivatives](#) (2021), Comptes Rendus Chimie 24 (2), pp. 215–232.
61. Čočić, D., Chrzanowska, M., Katafias, A., Puchta, R., van Eldik, R., [Tuning the lability of a series of Ru\(II\) polypyridyl complexes: a comparison of experimental-kinetic and DFT-predicted reaction mechanisms](#) (2021), Journal of Coordination Chemistry 74 (1-3), pp. 433–443.

## M23 (укупно: 52)

1. Stojanović, N., [Proof without Words: Inequality for the Sum of the Diagonals](#) (2021), *Mathematical Intelligencer* 43 (4), p. 32.
2. Spasojević, M., Spasojević, M., Marković, D., Ribić-Zelenović, L., [Electrooxidation of 2-propanol on the mixture of nanoparticles of Pt and RuO<sub>2</sub> supported on Ti](#) (2021), *Zeitschrift für Physikalische Chemie* 235 (12), pp. 1573–1588.
3. Savović, S., Djordjevich, A., Min, R., Savović, I., [Investigation of performance properties of plastic optical fibres used in a traffic light system](#) (2021), *Quantum Electronics* 51 (11), pp. 1026–1029.
4. Mitrovic, M., Ciraj-Bjelac, O., Jovanovic, Z., Krstic, N., Nikezic, D., Krstic, D., Zivkovic, M., Lazarevic-Macanovic, M., [Voxel model of a rabbit: assessment of absorbed doses in organs after CT examination performed by two different protocols](#) (2021), *Radiation and Environmental Biophysics* 60 (4), pp. 631–638.
5. Šaćirović, S., Jovanović, J.Đ., Dimić, D., Petrović, Z., Simijonović, D., Manojlović, N., Antić, M., Marković, Z., [On the origin of the antioxidant potential of selected wines: combined HPLC, QSAR, and DFT study](#) (2021), *Monatshefte für Chemie* 152 (10), pp. 1173–1181.
6. Milić, S.S.J., Jevtić, V.V., Avdović, E.H., Petrović, B., Međedović, M., Petrović, Đ.S., Milovanović, M., Milovanović, J., Arsenijević, N., Stojković, D.L., Radić, G.P., Stanković, M.J., [DNA binding, molecular docking study and antitumor activity of \[PdCl<sub>2</sub>\(R<sub>2</sub>-\(S,S\)-eddtrp\)\] complexes](#) (2021), *Monatshefte für Chemie* 152 (8), pp. 951–958.
7. Spasojević, M., Ribić-Zelenović, L., Spasojević, M., [Electrooxidation of 1-propanol on the mixture of nanoparticles of Pt and RuO<sub>2</sub>](#) (2021), *Monatshefte für Chemie* 152 (5), pp. 489–496.
8. Drljača, B., Simović, A., Djordjevich, A., Min, R., Jovanović, S., Savović, S., [Influence of width of launch beam distribution and mode coupling on transmission characteristics of W-type plastic optical fibers](#) (2021), *Laser Physics* 31 (8), art. no. 085104.
9. Savović, S., Djordjevich, A., [Method for calculating coupling coefficient in W-type multimode optical fibers](#) (2021), *Laser Physics* 31 (5), art. no. 055102.
10. Savović, S., Djordjevich, A., [Observation of strong mode coupling in multimode step index silica optical fibers with fluorinated thermoplastic polymer cladding](#) (2021), *Laser Physics* 31 (3), art. no. 035103.
11. Manić, V., Manić, G., Stojanović, M., Radojković, B., Krstić, D., Nikezić, D., [A preliminary survey of natural radionuclides in soil and indoor radon in the town of Niš, Serbia](#) (2021), *Journal of Radioanalytical and Nuclear Chemistry* 329 (2), pp. 671–677.
12. Petrović, V.M., Delibašić, H.S., Petrović, I.D., [Strong-Field Tunneling Ionization Rate Based on Landau–Dykhne Transition Theory](#) (2021), *Journal of Experimental and Theoretical Physics* 133 (1).
13. Miladinović, T.B., Simić, S., Danilović, N., Jeremić, M.Z., [Influence of \(0, 1\)\\* Laguerre-Gaussian Field Distribution on Tunneling Ionization Rate](#) (2021), *Journal of Experimental and Theoretical Physics* 132 (5), pp. 753–765.

14. Spasojević, M., Ribić-Zelenović, L., Spasojević, M., Marković, D., [Methanol Electrooxidation on Pt/RuO<sub>2</sub> Catalyst](#) (2021), Russian Journal of Electrochemistry 57 (7), pp. 795–807.
15. Drljača, B., Simović, A., Djordjevich, A., Savović, S., [Influence of the Wavelength on the Bandwidth in W-Type Plastic Optical Fibers](#) (2021), Journal of Russian Laser Research 42 (4), pp. 412–417.
16. Savović, S., Djordjevich, A., [Langevin Equation Approach to Mode Coupling in Heated Step-Index Plastic Optical Fibers](#) (2021), Journal of Russian Laser Research 42 (2), pp. 154–160.
17. Kovačević, M.S., Jovanović, M.R., Milošević, M.M., [On the calculus of Dirac delta function with some applications in classical electrodynamics](#) (2021), Revista Mexicana de Fisica E 18 (2), art. no. 020205.
18. Šmit, B.M., Stanić, P.B., Joksović, L.G., Ašanin, D.P., Simić, Z., [Influence of electrochemical conditions on the regio- And stereoselectivity of selenocyclization of alkenyl hydantoins \[УТИЦАЈ ЕЛЕКТРОХЕМИЈСКИХ УСЛОВА НА РЕГИО- И СТЕРЕОСЕЛЕКТИВНОСТ СЕЛЕНОЦИКЛИЗАЦИЈЕ АЛКЕНИЛХИДАНТОИНА\]](#) (2021), Journal of the Serbian Chemical Society 86 (6), pp. 585–590.
19. Redžepović, I., [Chemical applicability of Sombor indices](#) (2021), Journal of the Serbian Chemical Society 86 (5), pp. 445–457.
20. Stojanović, T., Ikodinović, N., Davidović, T., Ognjanović, Z., [Automated non-monotonic reasoning in System P](#) (2021), Annals of Mathematics and Artificial Intelligence 89 (5-6), pp. 471–509.
21. Liu, M., Cheng, K., Furtula, B., [Minimum augmented Zagreb index of c-cyclic graphs](#) (2021), Discrete Applied Mathematics 295, pp. 32–38.
22. Cvetković, V.M., Öcal, A., Lyamzina, Y., Noji, E.K., Nikolić, N., Milošević, G., [Nuclear power risk perception in Serbia: Fear of exposure to radiation vs. social benefits](#) (2021), Energies 14 (9), art. no. 2464.
23. Delibasic, H., Petrovic, V., Petrovic, I., Molpeceres, C., Lauzurica, S., [Numerical modeling of plasma formation in skin tissues induced by nanosecond pulsed laser](#) (2021), European Physical Journal D 75 (5), art. no. 155.
24. Obradovic, J., Todosijevic, J., Jurisic, V., [Application of the conventional and novel methods in testing EGFR variants for NSCLC patients in the last 10 years through different regions: a systematic review](#) (2021), Molecular Biology Reports 48 (4), pp. 3593–3604.
25. Vukajlović, J.T., Simić, I., Milošević-Djordjević, O., [DNA and chromosomal damage in peripheral blood lymphocytes in patients with acute coronary syndrome undergoing a coronary angiography](#) (2021), Anatolian Journal of Cardiology 25 (4), pp. 243–249.
26. Mitrović, A.B., Dordević, N.B., Simić, S.B., [A review of research on the Lemanea genus in Serbia](#) (2021), Oceanological and Hydrobiological Studies 50 (1), pp. 47–59.
27. Paunović, M.G., Matić, M.M., Stanković, V.D., Milošević, M.D., Jevtić, V.V., Trifunović, S.R., Ognjanović, B.I., [Evaluation of Toxic Effects of Novel Platinum \(IV\) Complexes in Female Rat Liver: Potential Protective Role of Resveratrol](#) (2021), Cell Biochemistry and Biophysics 79 (1), pp. 141–152.



28. Milosavljević, S., Petrović, T.Z., Mladenović, K., Grujović, M., Kolašinac, S., Orović, D., [Quality assessment, antimicrobial activity organic sunflower honey and use of Maldi-tof mass spectrometry for the identification bacteria isolated from honey](#) (2021), *Progress in Nutrition* 23 (2), art. no. 9307.
29. Vukajlović, J.T., Kosanić, M., Ranković, B., Stanojković, T., Marković, A., Grujičić, D., Djelić, N., Radaković, M., Milošević-Djordjević, O., [Evaluation of biological activities of acetone extract of the mushroom leccinum scabrum](#) (2021), *Farmacia* 69 (5), pp. 974–979.
30. Pavlović, M.O., Aradski, A.A., Savić, A., Janković, S., Milutinović, M., Marin, P.D., Duletić-Lausević, S., [Traditional varieties and wild pear from Serbia: a link among antioxidant, antidiabetic and cytotoxic activities of fruit peel and flesh \[Tradicionalne sorte i divlja kruška iz Srbije: veza između antioksidativne, antidijabetične i citotoksične aktivnosti kore i mesa plodova\]](#) (2021), *Botanica Serbica* 45 (2), pp. 203–213.
31. Mitrović, A.B., Simić, S.B., [On Bangia atropurpurea \(Bangiales, Rhodophyta\), the strictly protected red alga in Serbia \[O Bangia atropurpurea \(Bangiales, Rhodophyta\), strogo zaštićenoj crvenoj algi u Srbiji\]](#) (2021), *Botanica Serbica* 45 (2), pp. 263–272.
32. Veljković, B., Karabegović, I., Ačić, S., Topuzović, M., Petrović, I., Savić, S., Dajić-Stevanović, Z., [The wild raspberry in Serbia: an ethnobotanical study](#) (2021), *Botanica Serbica* 45 (1), pp. 107–117.
33. Radojević, I.D., Grujović, M.Ž., Čomić, L.R., Dekić, M.S., Djelić, G.T., Mihailović, N.R., [The phytochemical composition and biological activities of different types of extracts of Achillea ageratifolia subsp. serbica \[Fitohemijski sastav i biološka aktivnost različitih vrsta ekstrakata Achillea ageratifolia subsp. serbica\]](#) (2021), *Botanica Serbica*, 45 (1), pp. 49–59.
34. Djukić, N.H., Marković, S.M., Mastilović, J.S., Simović, P., [Differences in proline accumulation between wheat varieties in response to heat stress \[Razlike u akumulaciji prolina između sorti pšenice kao odgovor na toplotni stres\]](#) (2021), *Botanica Serbica* 45 (1), pp. 61–69.
35. Simić, S., Popović, L.Č., Kovačević, A., Ilić, D., [The broad emission line asymmetry in a low mass ratio of supermassive binary black holes on elliptical orbits](#) (2021), *Astronomische Nachrichten*, ...
36. Popović, L.Č., Simić, S., Kovačević, A., [Preface: Spectral shapes in astrophysics](#) (2021) *Astronomische Nachrichten*, ...
37. Jovanović, V.R., Hinić, D., Ignjatović, T.D., Gajić, B.S., Gajić, T., Mihajlović, G., [Individual-psychological factors and perception of social support in burnout syndrome \[Individualno-psihološki faktori i percepcija socijalne podrške kod sindroma izgaranja\]](#) (2021), *Vojnosanitetski Pregled* 78 (9), pp. 944–954.
38. Kojičić, K., Arsenijević, A., Marković, M., Jovanović, V.S., Simić, Z., Tadić, V., Cupara, S., [Chemical and pharmacological characterization of aqueous and ethanolic extracts of Cyclamen hederifolium Ait. \(Primulaceae\) tuber \[Hemijska i farmakološka karakterizacija vodenog i etanolnog ekstrakta lukovica Cyclamen hederifolium Ait. \(Primulaceae\)\]](#) (2021), *Vojnosanitetski Pregled* 78 (5), pp. 532–541.
39. Kanjevac, M., Bojović, B., Jakovljević, D., [Improvement of physiological performance of selected cereals by modulating pregerminative metabolic activity in seeds](#) (2021), *Cereal Research Communications*, ...

40. Marin, M., Branković, S., [Chemical composition and biological activity of the essential oil of wild-growing micromeria thymifolia \(Scop.\) fritsch](#) (2021), Acta Scientiarum Polonorum, Hortorum Cultus 20 (4), pp. 69–76.
41. Gutman, I., [On degree-and-distance-based topological indices](#) (2021), Revue Roumaine de Chimie 66 (2), pp. 119–123.
42. Kovacevic, M.S., Milosevic, M.M., Kuzmanovic, L., Djordjevich, A., [Monte Carlo simulation of SiO<sub>2</sub> nanoparticle-coated polymer optical fiber humidity sensor by ray tracing](#) (2021), Optica Applicata 51 (2), pp. 281–288.
43. Grujović, M.Ž., Mladenović, K.G., Čomić, L.R., [The probiotic potential and evaluation of the safety aspects of enterococcus sp. strains isolated from traditionally made serbian cheese \[Probiotički potencijal i procjena sigurnosnog aspekta sojeva enterococcus sp. izoliranih iz tradicionalno rađenog sira u Srbiji\]](#) (2021), Veterinarski Arhiv 91 (3), pp. 317–326.
44. Glišić, R.M., Simić, Z.B., Grbović, F.J., Rajčić, V.R., Branković, S.R., [Phytoaccumulation of metals in three plants species of the Asteraceae family sampled along a highway](#) (2021), Notulae Botanicae Horti Agrobotanici Cluj-Napoca 49 (2), pp. 1–15.
45. Twinkle, A.R., Leenaraj, D.R., Zoran, R., Arunsasi, B.S., Bright, K.C., Reshma, R., Praveen, V.N., [Cross-conjugated ferrocenyl derivative furan-2-yl-\(ferrocenyl\)methanone: synthesis, structural analysis, docking and antibacterial evaluation](#) (2021), Spectroscopy Letters 54 (5), pp. 326–339.
46. Marković, S.M., Knežević, D., Nešović, N.M., Djukić, N.H., [Heat-induced accumulation of proline and yield components in genetically divergent cereal varieties \[Toplotno-indukovana akumulacija prolina i komponente prinosa u genetički divergentnim sortama žitarica\]](#) (2021), Genetika 53 (1), pp. 219–233.
47. Čočić, D., Manaa, A., Siegl, S., Puchta, R., van Eldik, R., [\[3.2.1\] and \[4.1.1\] isomers of Lehn's \[2.2.2\] Cryptand: Prediction of ion selectivity by quantum chemical calculations XV\\*\\*](#) (2021), Zeitschrift für Anorganische und Allgemeine Chemie, ...
48. Medovic, R., Medovic, M., Igrutinovic, Z., Vlahovic, A., Kostic, G., Ristic, G., Vuletic, B., Markovic, S., [Acute hemorrhagic edema of infancy - is it really a mild, benign disease?](#) (2021), Turkish Journal of Pediatrics 63 (1), pp. 141–148.
49. Kacaniova, M., Galovicova, L., Valkova, V., Tvrda, E., Terentjeva, M., Ziarovska, J., Kunova, S., Savitskaya, T., Grinshpan, D., Stefanikova, J., Felsőciová, S., Vukovic, N., Kowalczewski, P.L., [Antimicrobial and antioxidant activities of Cinnamomum cassia essential oil and its application in food preservation](#) (2021), Open Chemistry 19 (1), pp. 214–227.
50. Mihajlovic, K., Milosavljevic, I., Jeremic, J., Savic, M., Sretenovic, J., Srejovic, I., Zivkovic, V., Jovicic, N., Paunovic, M., Bolevich, S., Jakovljevic, V., Novokmet, S., [Redox and apoptotic potential of novel ruthenium complexes in rat blood and heart](#) (2021), Canadian Journal of Physiology and Pharmacology 99 (2), pp. 207–217.
51. Cirovic, T., Barjaktarević, A., Ninkovic, M., Bauer, R., Nikles, S., Brankovic, S., Markovic, M., Jovanovic, V.S., Ilic, M., Milovanovic, O., Kojicic, K., Cupara, S., [Biological activities of sanguisorba minor l. extracts ñ in vitro and in vivo evaluations](#) (2021), Acta Poloniae Pharmaceutica - Drug Research 77 (5), pp. 745–758.

52. Folic, M.M., Djordjevic, Z., Folic, N., Radojevic, M.Z., Jankovic, S.M., [Epidemiology and risk factors for healthcare-associated infections caused by \*Pseudomonas aeruginosa\*](#) (2021), *Journal of Chemotherapy* 33 (5), pp. 294–301.

# 2022.

## M13 (укупно: 6)

1. Jelena B. Popović-Djordjević, Milica Fotirić Akšić, Jelena S. Katanić Stanković, Nebojša Đ. Pantelić, Vladimir Mihailović, [Wild-Growing Species in the Service of Medicine: Environmental Challenges and Sustainable Production](#). In: Tariq Aftab (ed), Environmental Challenges and Medicinal Plants. Sustainable Production Solutions under Adverse Conditions, 2022, Springer, Cham, Switzerland, Pages 49–104.
2. Branko Arsić, [Deep learning approach in ultrasound image segmentation for patients with carotid artery disease](#), Editor(s): Nenad Filipovic, Cardiovascular and Respiratory Bioengineering, Academic Press, 2022, Pages 23–39, [ISBN 9780128239568](#).
3. Špoljar, M., Shumka, S., Tasevska, O., Tomljanović, T., Ostojić, A., Galir Balkić, A., Lajtner, J., Pepa, B., Dražina, T., Ternjej, I. (2022) [Small Standing-Water Ecosystems in the Transitional Temperate Climate of the Western Balkans](#), Chapter 2. In: Small Water Bodies of the Western Balkans (Eds Pešić, V., Milošević, D., Miliša, M.). 21-51. Springer Water. Springer, Cham.. Print ISBN 978-3-030-86477-4. Online ISBN 978-3-030-86478-1.
4. Buzhdygan, O.Y., Stojković Piperac, M., Stamenković, O., Čerba, D., Ostojić, A., Tietjen, B., Milošević, Dj. (2022): [Human Impact Induces Shifts in Trophic Composition and Diversity of Consumer Communities in Small Freshwater Ecosystems](#), Chapter 18. In: Small Water Bodies of the Western Balkans (Eds. Pešić, V., Milošević, Dj., Miliša, M.). 389-418. Springer Water. Springer, Cham. Print ISBN 978-3-030-86477-4. Online ISBN 978-3-030-86478-1.
5. Stojković Piperac, M., Milošević, D., Čerba, D., Simić, V. (2022). [Fish Communities Over the Danube Wetlands in Serbia and Croatia](#), Chapter 16. In: Small Water Bodies of the Western Balkans (Eds Pešić, V., Milošević, D., Miliša, M.). 337-350. Springer Water. Springer, Cham. Print ISBN 978-3-030-86477-4. Online ISBN 978-3-030-86478-1.
6. Milošković, A., Đuretanović, S., Radenković, M., Kojadinović, N., Veličković, T., Milošević, Đ., Simić, V. (2022) [Pollution of Small Lakes and Ponds of the Western Balkans—Assessment of Levels of Potentially Toxic Elements](#), Chapter 19. In: Small Water Bodies of the Western Balkans (Eds Pešić, V., Milošević, D., Miliša, M.). 419-436. Springer Water. Springer, Cham. Print ISBN 978-3-030-86477-4. Online ISBN 978-3-030-86478-1.

## M14

1. S. Radenković, D. Domin, J. Toulouse, B. Braïda, The Valence-Bond Quantum Monte Carlo Method, in the book: Reference Module in Chemistry, Molecular Sciences and Chemical Engineering, Elsevier, 2022.

## M21a (укупно: 10)

1. D. Spasojević and S. Janićević, [Two-dimensional ferromagnetic systems with finite driving](#), Chaos, Solitons and Fractals 158, 112033 (2022).

2. Andjelka B. Kovačević, Viktor Radović, Dragana Ilić, Luka Č. Popović, Roberto J. Assef, Paula Sánchez-Sáez, Robert Nikutta, Claudia M. Raiteri, Ilsang Yoon, Yasaman Homayouni, Yan-Rong Li, Neven Caplar, Bozena Czerny, Swayamtrupta Panda, Claudio Ricci, Isidora Jankov, Hermine Landt, Christian Wolf, Jelena Kovačević-Dojčinović, Maša Lakićević, Đorđe V. Savić, Oliver Vince, Saša Simić, Iva Čvorović-Hajdinjak, and Sladjana Marčeta-Mandić, *The LSST Era of Supermassive Black Hole Accretion Disk Reverberation Mapping*, *The Astrophysical Journal Supplement Series*, 262, 49 (37 pp), 2022.
3. Torbica A., Radosavljević M., Belović M., Djukić N., Marković S., [Overview of nature, frequency and technological role of dietary fibre from cereals and pseudocereals from grain to bread](#) (2022), *Carbohydrate Polymers* Vol. 290, 119470.
4. Nikola Srećković, Danijela Mišić, Uroš Gašić, Sanja Lj. Matić, Jelena S. Katanić Stanković, Nevena R. Mihailović, Daria Maria Monti, Luigi D'Elia, Vladimir Mihailović, [Meadow sage \(Salvia pratensis L.\): A neglected sage species with valuable phenolic compounds and biological potential](#) (2022), *Industrial Crops and Products* 189, 115841.
5. B. Furtula, S. Radenković, I. Redžepović, N. Tratnik, P. Žigert Pleteršek, *The generalized Zhang-Zhang polynomial of benzenoid systems - theory and applications*, *Applied Mathematics and Computation* 418 (2022) 126822.
6. Z. Wang, Y. Mao, Y. Li, B. Furtula, *On relations between Sombor and other degree-based indices*, *Journal of Applied Mathematics and Computing* 68 (2022) 1–17.
7. N. Kurtanović, N. Tomašević, S. Matić, M. M. Mitrović, D. A. Kostić, M. Sabatino, Lorenzo Antonini, R. Ragno, M. Mladenović, [Human estrogen receptor  \$\alpha\$  antagonists, part 2: Synthesis driven by rational design, in vitro antiproliferative, and in vivo anticancer evaluation of innovative coumarin-related antiestrogens as breast cancer suppressants](#) (2022), *European Journal of Medicinal Chemistry* 227, 113869.
8. M. Menna, F. Fiorentino, B. Marrocco, A. Lucidi, S. Tomassi, D. Cilli, M. Romanenghi, M. Cassandri, S. Pomella, M. Pezzella, D. Del Bufalo, M. Salik Zeya Ansari, N. Tomašević, M. Mladenović, M. Viviano, G. Sbardella, R. Rota, D. Trisciuglio, S. Minucci, A. Mattevi, D. Rotili, A. Mai, [Novel Non-Covalent LSD1 Inhibitors Endowed with Anticancer Effects in Leukemia and Solid Tumor Cellular Models](#) (2022), *European Journal of Medicinal Chemistry* 237, 114410.
9. M. Ivanovic, V. Simic, [Efficient evolutionary optimization using predictive auto-scaling in containerized environment](#) (2022), *Applied Soft Computing*, Volume 129, 109610.
10. Z.S. Xu, Y. Han, S. Aleksić, S. Radenović, [Fixed point results for nonlinear contractions of Perov type in abstract metric spaces with applications](#) (2022), *Aims Mathematics*, Volume 7, Issue 8: 14895–14921.

## M21 (укупно: 66)

1. S. Savovic, L. Li, I. Savovic, A. Djordjevich, R. Min, *Treatment of mode coupling in step-index multimode microstructured polymer optical fibers by the Langevin equation* (2022), *Polymers*, Vol. 14, 1243 (7 pp)
2. D. Spasojević, S. Graovac, and S. Janićević, [Interplay of disorder and type of driving in disordered ferromagnetic systems](#) (2022), *Phys. Rev. E* 106, 044107.

3. D. Spasojević, S. Radić, D. Jovković, and S. Janičević, [Spin activity correlations in driven disordered systems](#) (2022), J. Stat. Mech., 063302.
4. B. Drljaca, S. Savovic, M. S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, K. Aidinis, R. Min, Wavelength dependent equilibrium mode distribution and steady-state distribution in double cladding W-type microstructured polymer optical fibers" (2022), Results in Physics 43, 106124 (6 pp).
5. B. Drljaca, S. Savovic, M. S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, R. Min, Transmission performance of multimode W- type plastic photonic crystal fibers (2022), Optics Express, Vol. 29, 29589 (8 pp).
6. Ivan Živić, Sunčica Elezović-Hadžić, Dužanka Marčetić, Persistence length of semi-flexible polymer chains on Euclidean lattices (2022), Physica A 607, 128222.
7. G. Kacarevic, I. Bozovic-Jelisavcic, N. Vukasinovic, G. Milutinovic-Dumbelovic, I. Smiljanic, M. Radulovic, J. Stevanovic, T. Agatonovic-Jovin, [Measurement of the Higgs boson branching ratio BR\(H→γγ\) at a 3 TeV CLIC](#) (2022), Phys. Rev. D 105.
8. N. Vukasinovic, I. Bozovic-Jelisavcic, G. Kacarevic, G. Milutinovic-Dumbelovic, T. Agatonovic-Jovin, I. Smiljanic, M. Radulovic, J. Stevanovic, [Measurement of the H to ZZ branching fraction at a 350 GeV and 3 TeV CLIC](#) (2022), Phys. Rev. D Vol. 105, No. 9.
9. N. Stevanovic, V.M. Markovic, M. Milosevic, A. Djurdjevic, J.M. Stajic, B. Milenkovic, D. Nikezic, Correlations between track parameters in a solid-state nuclear track detector and its diffraction pattern (2022), Radiation Physics and Chemistry 193, 109986.
10. V.M. Markovic, JM. Stajic, B Milenkovic, N. Stevanovic, Alpha track distribution on lateral wall of cylindrical radon diffusion chamber (2022), Radiation Physics and Chemistry 191, 109873.
11. Christelle Huet, C., Eakins, J., Zankl, M., Gomez-Ros J-M., Jansen, J., Moraleda, M., Struelens, L., Akar, D., Borbinha, J., Brkic, H., Bui, Duc Ky, Capello, K., Thi My Linh Dang, Desorgher, L., Di Maria, S., Epstein, L., Faj, D., Fantinova, K., Ferrari, P., Gossio, S., Hunt, J., Jovanovic, Z., Han Sung Kim, Dragana Krstic, Ngoc Thiem Le Y. K. Lee, Murugan, M., Nadar, M., Ngoc-Quynh Nguyen, Nikezic, D., Patni, H., Denison Souza Santos, Tremblay, M., Trivino, S., Tymńska, K., [Monte Carlo calculation of organ and effective doses due to photon and neutron point sources and typical X-ray examinations: results of an international intercomparison exercise](#) (2022), Radiation Measurements **this** 150, 106695.
12. Beni Mehrdad Shahmohammadi, Islam M Rafiqul, Kim Kyeong Min, Krstic Dragana, Nikezic Dragoslav, Yu Kwan Ngok, Watabe Hiroshi. [On the effectiveness of proton boron fusion therapy \(PBFT\) at cellular level](#) (2022), Sci Rep 12, 18098.
13. Bănăduc D., Simić V., Cianfaglione K., Barinova S., Afanasyev S., Öktener A., McCall G., Simić S., Curtean-Bănăduc A., Freshwater as a Sustainable Resource and Generator of Secondary Resources in the 21st Century: Stressors, Threats, Risks, Management and Protection Strategies, and Conservation Approaches (2022), International Journal of Environmental Research and Public Health, 19(24), p.16570.
14. D. Simić, M. Zarić, I. Nikolić, R. Živković-Zarić, P. Čanović, A. Kočović, I. Radojević, I. Raković, S. Jovičić Milić, Đ. Petrović, D. Stojković, N. Vuković, M. Kačaniová, M. Vukić V. Jevtić, [Newly synthesized palladium\(ii\) complexes with aminothiazole derivatives: in vitro study of antimicrobial activity and antitumor activity on the human prostate cancer cell line](#) (2022), Dalton Transactions, Issue 3, ...

15. El-Ashmony M.S. Ranya, Zaghoul S.S. Nouf, Milošević Marija, Mohany Mohamed, Al-Rejaie S. Salim, Abdallah Yasmine, Galal A. Anwar, [The biogenically efficient synthesis of silver nanoparticles using the fungus \*Trichoderma harzianum\* and their antifungal efficacy against \*Sclerotinia sclerotiorum\* and \*Sclerotium rolfsii\*](#) (2022), *Journal of Fungi* 8, 597.
16. Elsayed Ali Drweesh, Veronika Kuchárová, Vladislav Volarevic, Dragana Miloradovic, Aleksandar Ilic, Ivana D. Radojević, Ivana R. Raković, Romana Smolková, Mária Vilková, Danica Sabolová, Mohamed M. Elnagar, Ivan Potočňák, [Low-dimensional compounds containing bioactive ligands. Part XVII: Synthesis, structural, spectral and biological properties of hybrid organic-inorganic complexes based on  \$\[PdCl\_4\]\_2^-\$  with derivatives of 8-hydroxyquinolinium](#) (2022), *Journal of Inorganic Biochemistry*, Vol. 228, 111697.
17. Jovankić J.V., Nikodijević D.D., Milutinović M.G., Nikezić A.G., Kojić V.V., Cvetković A., Cvetković D.M., [Potential of Orlistat to induce apoptotic and antiangiogenic effects as well as inhibition of fatty acid synthesis in breast cancer cells](#) (2022), *European Journal of Pharmacology*...
18. Jovanović M.M., Šeklić D.S., Rakobradović J.D., Planojević N.S., Vuković N.L., Vukić M.D., Marković S.D., [Royal jelly and Trans-10-Hydroxy-2-Decenoic Acid Inhibit Migration and Invasion of Colorectal Carcinoma Cells](#) (2022), *Food Technology and Biotechnology*, 60(2), pp. 213–224.
19. Kanjevac M., Jakovljević D., Todorović M., Stanković M., Čurčić S., Bojović B., Improvement of Germination and Early Growth of Radish (*Raphanus sativus* L.) through Modulation of Seed Metabolic Processes (2022), *Plants* 11(6), 757.
20. Marković K.G., Grujović M.Ž., Koraćević M.G., Nikodijević D.D., Milutinović M.G., Semedo-Lemsaddek T., Djilas M.D., [Colicins and microcins produced by Enterobacteriaceae: characterization, mode of action, and putative applications](#) (2022), *International Journal of Environmental Research and Public Health* 19, 11825.
21. Milena Vukić, Nenad L. Vuković, Milan Mladenović, Nevena Tomašević, Sanja Matic, Snežana Stanić, Filippo Sapienza, Rino Ragno, Mijat Božović, Miroslava Kačániová (2022), [Chemical composition of various \*Nepeta cataria\* plant organs' methanol extracts associated with the in vivo hepatoprotective and antigenotoxic features, and molecular modeling investigations](#) (2022), *Pharmacological and Toxicological Study of Medicinal Plants* 11(16), 2014.
22. Milošević D. Marija, Mašković Z. Pavle, Stanković D. Vesna, Paunović G. Milica, Mitić N. Milan, Matić M. Miloš, Ognjanović I. Branka, [Protective effects of \*Viscum album\* L. leaf extract on chlorpyrifos-induced hepatotoxicity in Wistar rats](#) (2022), *Journal of King Saud University - Science* 34, 101957.
23. Milović E., Janković N., Petronijević J., Joksimović N., Kosanić M., Stanojković T., Matić I., Grozdanić N., Klisurić O., Stefanović S., Synthesis, Characterization, and Biological Evaluation of Tetrahydropyrimidines: Dual-Activity and Mechanism of Action (2022), *Pharmaceutics* 14 (10), 2254.
24. Mirjana Ž. Grujović, Katarina G. Mladenović, Teresa Semedo-Lemsaddek, Marta Laranjo, Olgica D. Stefanović, Sunčica D. Kocić-Tanackov, Advantages and disadvantages of non-starter lactic acid bacteria from traditional fermented foods: Potential use as starters or probiotics (2022), *Compr Rev Food Sci Food Saf.*, 1–31.
25. Paunović, G. Milica, Matić, M. Miloš, Obradović, D. Ana, Jevtić, V. Verica, Stojković, L. Danijela, Ognjanović, I. Branka, [Antiproliferative, antimigratory, and prooxidative potential of](#)

[novel platinum \(IV\) complexes and resveratrol on breast cancer \(MDA-MB-231\) and choriocarcinoma \(JEG-3\) cell lines](#) (2022), Drug Development Research 83(3), 688–698.

26. Postolovic K.S., Antonijevic M.D., Ljubic B.T., Radenkovic S., Miletic-Kovacevic M., Hiezl Z., Pavlovic S., Radojevic I. D., Stanic Z.D., Curcumin and Diclofenac Therapeutic Efficacy Enhancement Applying Transdermal Hydrogel Polymer Films, Based on Carrageenan, Alginate and Poloxamer (2022), Polymers, Vol. 14, Num. 19.
27. S.S. Jovičić Milić, V.V. Jevtić, S.R. Radisavljević, B.V. Petrović, I.D. Radojević, I.R. Raković, Đ.S. Petrović, D.Lj. Stojković, M. Jurišević, N. Gajović, A. Petrović, N. Arsenijević, I. Jovanović, O.R. Klisurić, N.L. Vuković, M. Vukić, M. Kačániová, (2022), [Synthesis, characterization, DNA interactions and biological activity of new palladium\(II\) complexes with some derivatives of 2-aminothiazoles](#) (2022), Journal of Inorganic Biochemistry, Vol. 233, 111857.
28. Simić V., Bănađuc D., Curtean-Bănađuc A., Petrović A., Veličković T., Stojković-Piperac M., Simić S., Assessment of the ecological sustainability of river basins based on the modified the ESHIPPOfish model on the example of the Velika Morava basin (Serbia, Central Balkans) (2022), Frontiers in Environmental Science, p. 1125.
29. Stamenković O., Stojković Piperac M., Čerba D. Milošević Đ., Ostojić A., Đorđević N., Simić S., Cvijanović D., Buzhdygan O., [Taxonomic and functional aspects of diversity and composition of plankton communities in shallow lentic ecosystems along the human impact and environmental gradients](#) (2022), Aquat Sci 84, 57.
30. V. Jakovljevic, I.D. Radojevic, S.M. Grujić, A. Ostojić, [Response of selected microbial strains and their consortia to the presence of automobile paints: Biofilm growth, matrix protein content and hydrolytic enzyme activity](#) (2022), Saudi Journal of Biological Sciences, Vol. 29, 8, 103347.
31. V. Jakovljevic, S. Grujić, Z., Simić, A. Ostojić, I.D. Radojevic, [Finding the best combination of autochthonous microorganisms with the most effective biosorption ability for heavy metals removal from wastewater](#) (2022), Frontiers in Microbiology, 13, 1017372.
32. Vörös, J., Ursenbacher, S., Jelić. D., Tomović, Lj., Crnobrnja-Isailović, J., Ajtić, R., Sterijovski, B., Zinenko, O., Ghira, I., Strugariu, A., Zamfirescu, S., Nagy, Z. T., Péchy, T., Krízsik, V., Márton, O., Halpern, B., [Well-known species, unexpected results: high genetic diversity in declining Vipera ursinii in central, eastern and southeastern Europe](#) (2022), Amphibia-Reptilia...
33. M.N. Dimitrijević, A.A. Franich, M.M. Jurišević, N.M. Gajović, N.N. Arsenijević, I.P. Jovanović, B.S. Stojanović, S. Lj. Mitrović, J. Kljun, S. Rajković, M.D. Živković, Platinum(II) complexes with malonic acids: Synthesis, characterization, in vitro and in vivo antitumor activity and interaction with biomolecules (2022), Journal of Inorganic Biochemistry 231, 111773.
34. Milović, E., Janković, N., Petronijević, J., Joksimović, N., Kosanić, M., Stanojković, T., Matić, I., Grozdanić, N., Klisurić, O., Stefanović, S., Synthesis, characterization, and biological evaluation of tetrahydropyrimidines: Dual-activity and mechanism of action (2022), Pharmaceutics 14(10), 2254.
35. Snežana Radisavljević, Ana Kesić, Dušan Čočić, Vladimir Marković, Jelena Milovanović, Biljana Petrović, Ana Rilak Simović, New gold(III) chlorophenyl terpyridine complex: Biomolecular interactions and anticancer activity against human oral squamous cell carcinoma (2022), Applied Organometallic Chemistry...



36. Sandra S. Jovičić Milić, Verica V. Jevtić, Snežana R. Radisavljević, Biljana V. Petrović, Ivana D. Radojević, Ivana R. Raković, Đorđe S. Petrović, Danijela Lj. Stojković, Milena Jurišević, Nevena Gajović, Anđela Petrović, Nebojša Arsenijević, Ivan Jovanović, Olivera R. Klisurić, Nenad L. Vuković, Milena Vukić, Miroslava Kaćanićová, [Synthesis, characterization, DNA interactions and biological activity of new palladium\(II\) complexes with some derivatives of 2-aminothiazoles](#) (2022), *Journal of Inorganic Biochemistry* 233, 111587.
37. D. Simić, M. Zarić, I. Nikolić, R. Živković-Zarić, P. Čanović, A. Kočović, I. Radojević, I. Raković, S. Jovičić Milić, Đ. Petrović, D. Stojković, N. Vuković, M. Kaćanićová, M. Vukić, V. Jevtić, Newly synthesized palladium(II) complexes with aminothiazole derivatives: in vitro study of antimicrobial activity and antitumor activity on the human prostate cancer cell line (2022), *Dalton Transactions*...
38. Dejan Simic, Milan Zaric, Ivana Nikolic, Radica Zivkovic Zaric, Petar Canovic, Aleksandar Kocovic, Ivana Radojevic, Ivana Rakovic, Sandra Jovicic Milic, Djordje Petrovic, Danijela Stojkovic, Nenad Vukovic, Miroslava Kaćanićová, Milena Vukic and Verica Jevtic, [Newly synthesized palladium\(II\) complexes with aminothiazole derivatives: In vitro study of antimicrobial activity and antitumor activity on human prostate cancer cell line](#) (2022), *Dalton Transactions*, Vol. 51, pp. 1191–1205.
39. Veronika Valková, Hana Dúranová, Lucia Galovicová, Petra Borotová, Nenad L. Vukovic, Milena Vukic and Miroslava Kaćanićová, [Cymbopogon citratus Essential Oil: Its Application as an Antimicrobial Agent in Food Preservation](#) (2022), *Agronomy (Basel)*, Vol. 12, no. 1, 155, 1–24.
40. Milena M. Jovanović, Dragana S. Šeklić, Jelena D. Rakobradović, Nevena S. Planojević, Nenad L. Vuković, Milena D. Vukić and Snežana D. Marković, [Royal Jelly and Trans-10-Hydroxy-2-Decenoic Acid Inhibit Migration and Invasion of Colorectal Carcinoma Cells](#) (2022), *Food Technology and Biotechnology*, Vol 60, no. 2, 213–224.
41. Miroslava Kaćanićová, Lucia Galovičová, Veronika Valková, Hana Dúranová, Jana Štefániková, Natália Čmiková, Milena Vukic, Nenad L. Vukovic and Przemysław Łukasz Kowalczewski, [Chemical Composition, Antioxidant, In Vitro and In Situ Antimicrobial, Antibiofilm, and Anti-Insect Activity of Cedar atlantica Essential Oil](#) (2022), *Plants*, Vol. 11, 358, 1–21.
42. Lucia Galovicova, Petra Borotova, Veronika Valkova, Hana Duranova, Jana Stefanikova, Nenad L. Vukovic, Milena Vukic and Miroslava Kacaniova, [Biological activity of Pogostemon cablin essential oil and its potential use for food preservation](#) (2022), *Agronomy*, Vol. 12(2), 387, 1–20.
43. Petra Borotová, Lucia Galovičová, Nenad L. Vukovic, Milena Vukic, Eva Tvrđá and Miroslava Kaćanićová, [Chemical and Biological Characterization of Melaleuca alternifolia Essential Oil](#) (2022), *Plants* Vol. 11, 558, 1–18.
44. Lucia Galovicová, Petra Borotová, Nenad L. Vukovic, Milena Vukic, Simona Kunová, Pawel Hanus, Przemysław Łukasz Kowalczewski, Ladislav Bakay and Miroslava Kaćanićová, [The Potential Use of Citrus aurantifolia L. Essential Oils for Decay Control, Quality Preservation of Agricultural Products, and Anti-Insect Activity](#). (2022), *Agronomy*, Vol. 12(3), 735, 1–12.
45. Miroslava Kaćanićová, Lucia Galovicová, Petra Borotová, Nenad L. Vukovic, Milena Vukic, Simona Kunová, Pavel Hanus, Ladislav Bakay, Edyta Zagrobelna, Maciej Kluz and Przemysław Łukasz Kowalczewski, [Assessment of Ocimum basilicum Essential Oil Anti-Insect Activity and Antimicrobial Protection in Fruit and Vegetable Quality](#) (2022), *Plants*, Vol. 11, 1030, 1–14.

46. Sandra S. Jovičić Milić, Verica V. Jevtić, Snežana R. Radisavljević, Biljana V. Petrović, Ivana D. Radojević, Ivana R. Raković, Đorđe S. Petrović, Danijela L.J. Stojković, Milena Jurišević, Nevena Gajović, Anđela Petrović, Nebojša Arsenijević, Ivan Jovanović, Olivera R. Klisurić, Nenad L. Vuković, Milena Vukić, Miroslava Kačanićová, [Synthesis, characterization, DNA interactions and biological activity of new palladium\(II\) complexes with some derivatives of 2-aminothiazoles](#) (2022), *Journal of Inorganic Biochemistry*, Vol. 233, 111857.
47. Petra Borotová, Lucia Galovicová, Nenad L. Vukovic, Milena Vukic, Simona Kunová, Paweł Hanus, Przemysław Łukasz Kowalczewski, Ladislav Bakay and Miroslava Kačanićová, [Role of Litsea cubeba Essential Oil in Agricultural Products Safety: Antioxidant and Antimicrobial Applications](#) (2022), *Plants*, Vol. 11, 1504, 1–14.
48. Milena D. Vukic, Nenad L. Vukovic, Milan Mladenovic, Nevena Tomašević, Sanja Matic, Snežana Stanic, Filippo Sapienza, Rino Ragno, Mijat Božovic and Miroslava Kačanićová, [Chemical Composition of Various Nepeta cataria Plant Organs' Methanol Extracts Associated with In Vivo Hepatoprotective and Antigenotoxic Features as well as Molecular Modeling Investigations](#) (2022), *Plants*, Vol. 11, 2114, 1–31.
49. Simona Kunova, Esther Sendra, Peter Hascik, Nenad L. Vukovic, Milena D. Vukic, Anis Ben Hsouna, Wissem Mnif, Miroslava Kacanićová, [Microbiological quality of deer meat treated with essential oil Litsea cubeba](#) (2022), *Animals*, Vol. 12(18), 2315, 1–11.
50. Lucia Galovičová, Natália Čmiková, Nenad Vukovic, Milena Vukic, Przemysław Łukasz Kowalczewski, Ladislav Bakay and Miroslava Kačanićová, [Chemical Composition, Antioxidant, Antimicrobial, Antibiofilm and Anti-Insect Activities of Jasminum grandiflorum Essential Oil](#) (2022), *Horticulturae*, Vol. 8, 953, 1–17.
51. Nenad L. Vukovic, Milena D. Vukic, Ana D. Obradovic, Milos M. Matic, Lucia Galovicová, and Miroslava Kačanićová, [GC, GC/MS Analysis, and Biological Effects of Essential Oils from Thymus mastchina and Elettaria cardamomum](#) (2022), *Plants*, Vol. 11, 3213, 1–26.
52. Milena D. Vukic, Nenad L. Vukovic, Ana D. Obradovic, Lucia Galovičová, Natália Čmiková, Miroslava Kačanićová and Milos M. Matic, [Chemical Composition and Biological Activity of Tanacetum balsamita Essential Oils Obtained from Different Plant Organs](#) (2022), *Plants*, Vol. 11(24), 3474, 1–22.
53. V. Jakovljevic, I. Radojevic, Z. Simic and A. Ostojic, [Finding the best combination of autochthonous microorganisms with the most effective biosorption ability for heavy metals removal from wastewater](#) (2022), *Frontiers in Microbiology*, ...
54. S. Đorđević, S. Radenković, Electronic structure, stability, and aromaticity of M<sub>2</sub>B<sub>6</sub> (M = Mg, Ca, Sr, and Ba): an interplay between spin pairing and electron delocalization (2022), *Physical Chemistry Chemical Physics* 24, 5833–5841.
55. S. Đorđević, M. Solà, S. Radenković, Aromaticity of singlet and triplet boron disk-like clusters: A test for electron counting aromaticity rules (2022), *Inorganic Chemistry* 61, 10116–10125.
56. K. Postolović, M. Antonijević, B. Ljujić, S. Radenković, M. Miletić Kovačević, Z. Hiezl, S. Pavlović, I. Radojević, Z. Stanić, Curcumin and diclofenac therapeutic efficacy enhancement applying transdermal hydrogel polymer films, based on carrageenan, alginate and poloxamer (2022), *Polymers* 14, 4091.

57. F. Stašević, Ž. Milanović, J. Tošović, J. Đurđević Nikolić, S. Marković, What Happens When Two Radicals Meet? A Practical Approach to Free Radical Reaction Mechanisms (2022), Journal of Chemical Education 99, 3522–3529.
58. N. Lj. Stevanović, J. Kljun, I. Aleksic, S. Skaro-Bogojevic, D. Milivojevic, A. Veselinovic, I. Turel, M. I. Djuran, J. Nikodinovic-Runic and B. Đ. Glišić, Clinically used antifungal azoles as ligands for gold(III) complexes: the influence of the Au(III) ion on the antimicrobial activity of the complex (2022), Dalton Transactions 51, 5322–5334.
59. E. Proia, A. Ragno, L. Antonini, M. Sabatino, M. Mladenović, R. Capobianco, R. Ragno, [Ligand-based and structure-based studies to develop predictive models for SARS-CoV-2 main protease inhibitors through the 3d-qsar.com portal](#) (2022), Journal of Computer-Aided Molecular Design 36, 483–505.
60. M. D. Vukić, N. L. Vuković, M. Mladenović, N. Tomašević, S. Matić, S. Stanić, F. Sapienza, R. Ragno, M. Božović, M. Kačaniová, [Chemical Composition of Various Nepeta cataria Plant Organs' Methanol Extracts Associated with In Vivo Hepatoprotective and Antigenotoxic Features as well as Molecular Modeling Investigations](#) (2022), Plants 11, 2114.
61. Snežana Jovanovic-Stevic, Dušan Čočić, Ralph Puchta, Jovana Bogojeski, Milena Jurišević, Nevena Gajović, Slobodan Jakovljević, Nebojša Arsenijević, Ivan Jovanović, Biljana Petrović, Assessment of biological activity of the caffeine-derived Pt (II) and Pd (II) complexes (2022), Appl Organomet Chem. 36...
62. M.C. De Bonis, M.P. Stanić, and T.V. Tomović Mladenović, Nyström methods for approximating the solutions of an integral equation arising from a problem in mathematical biology (2022), Appl. Numer. Math 171, 193–2011.
63. B. Milićević, M. Ivanović, B. Stojanović, M. Milošević, M. Kojić, N. Filipović, [Huxley muscle model surrogates for high-speed multi-scale simulations of cardiac contraction](#) (2022), Computers in Biology and Medicine 149, 105963.
64. M. Milivojević, Lj. Pavlović, [On the extremal geometric–arithmetic graphs with fixed number of vertices having minimum degree](#) (2022), Annals of Operations Research...
65. Topalović Marko, Nikolić Aleksandar, Milovanović Vladimir, Vulovic Snezana, Ivanovic Milos, Smoothed particle hydrodynamics for blood flow analysis: development of particle lifecycle algorithm (2022), Computational Particle Mechanics...
66. M. Bašić, B. Arsić, and Z. Obradović, Another estimation of Laplacian spectrum of the Kronecker product of graphs (2022), Information Sciences 609, 605–625.

## **M22 (укупно: 65)**

1. S. Savovic, B. Drljaca, A. Djordjevich, A comparative study of two different finite difference methods for solving advection–diffusion reaction equation for modeling exponential traveling wave (2022), Ricerche di Matematica, Vol. 71, pp. 245–252.
2. S. Savovic, A. Djordjevich, R. Min, Investigation of mode coupling in step-index air-clad silica optical fibers (2022), Optical Fiber Technology, Vol. 70, 102872 (4 pp).
3. S. Savovic, A. Djordjevich, I. Savovic, R. Min, Mode coupling and steady-state distribution in step-index organic glass-clad PMMA fibers (2022), Photonics, Vol. 9, 297 (7 pp).

4. S. Savovic, A. Djordjevich, B. Drljaca, A. Simović, R. Min, Calculation of the mode coupling coefficient in step-index plastic optical fibers based on the far-field measurements, *Frontiers in Physics* (2022), Vol. 10, 927907 (5 pp).
5. R. Kuang, Y. Ye, Z. Chen, R. He, I. Savovic, A. Djordjevich, S. Savovic, B. Ortega, C. Marques, X. Li, R. Min, Low-cost plastic optical fiber integrated with smartphone for human physiological monitoring (2022), *Optical Fiber Technology*, Vol. 71, 102947 (10 pp).
6. S. Savovic, A. Djordjevich, K. Aidinis, R. Min, Influence of launch beam distribution on power flow and angular division multiplexing in seven-core silica optical fibers (2022), *Frontiers in Physics*, Vol. 10, 993738.
7. B. Drljaca, S. Savovic, M.S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, K. Aidinis, G. Yussupova, R. Min, Investigation of bandwidth in multimode W-type microstructured plastic optical fibers (2022), *Optik* 271, 170207 (7 pp).
8. B. Drljaca, S. Savovic, M.S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, R. Min, Transmission performance of multimode W-type plastic photonic crystal fibers (2022), *Optics Express* 29, 29589 (8 pp).
9. B. Drljaca, S. Savovic, M.S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, R. Min, Theoretical investigation of bandwidth of multimode step-index silica photonic crystal fibers (2022), *Photonics* 9, 214 (8 pp).
10. S. Savovic, A. Djordjevich, B. Drljaca, A. Simović, R. Min, Calculation of the mode coupling coefficient in step-index plastic optical fibers based on the far field measurements (2022), *Frontiers in Physics*, Vol. 10, 927907 (5 pp).
11. B. Drljaca, S. Savovic, M. S. Kovacevic, A. Simovic, Lj. Kuzmanovic, A. Djordjevich, R. Min, Theoretical investigation of bandwidth of multimode step-index silica photonic crystal fibers (2022), *Photonics*, Vol. 9, 214 (8 pp).
12. S. Savovic, A. Djordjevich, I. Savovic, B. Drljaca, A. Simovic, R. Min, Theoretical investigation of the capacity of space division multiplexing with step-index air-clad silica optical fibers (2022), *Photonics*, Vol. 9, 127 (7 pp).
13. Zivkovic Milena, Zlatic Nenad, Zeremski Tijana, Stankovic Milan, Manic Vesna, Krstic Dragana, Nikezic Dragoslav. [Ecological studies of the naturally occurring radionuclides, <sup>137</sup>Cs and heavy metals in soil, plants and milk in surrounding of Kragujevac city, Serbia](#) (2022), *Journal of Radioanalytical and Nuclear Chemistry* 331, 1285–1298.
14. Miladinovic Tatjana B., Radulovic Mirko M., Stevanovic Jasna M., Effects of the Different Laser Beam Profiles on the Tunneling Ionization with Coulomb Correction included (2022), *Romanian Reports in Physics*, , Vol. 74, No. 3.
15. S. Savovic, A. Djordjevich, K. Aidinis, R. Min, Influence of the width of launch beam distribution on the transmission performance of seven-core plastic-clad silica fibers (2022), *Photonics*, Vol. 9, 645 (7 pp).
16. Branković, S., Bugarčić, M., Bugarčić, F., Ostojić, A., Petronijević, J., Rosić, G., Radojević, I., Selaković, D., Simić, Z., Joksimović, N., [Economic, ecological, and health aspects of β-diketonate application in the process of water purification](#) (2022), *Environmental Science and Polluting Research* 29, 58703–58715.

17. Grujović M.Ž., Mladenović K.G., Marković S.M., Đukić N.H., Stajić J.M., Ostojić A.M., Zlatić N.M., [Chemical, radiological, and microbiological characterization of a drinking water source: a case study](#) (2022), Lett. Appl. Microbiol. Nov. 75(5), 1136–1150.
18. Jakovljević D., Stanković M., Warchoń M., Skrzypek E., Basil (*Ocimum L.*) cell and organ culture for the secondary metabolites production: a review (2022), Plant Cell, Tissue and Organ Culture 149, 61–79.
19. Milošković A., Stojković–Piperac M., Kojadinović N., Radenković M., Đuretanović S., Čerba D., Milošević Đ., Simić V., Potentially toxic elements in invasive fish species Prussian carp (*Carassius gibelio*) from different freshwater ecosystems and human exposure assessment (2022), Environmental Science and Pollution Research 29(19), 29152–29164.
20. Milutinović M.G., Milivojević N.N., Đorđević N.M., Nikodijević D.D., Radisavljević S.R., Đeković Kesić A.S., Marković S.D., [Gold\(III\) complexes with phenanthroline-derivates ligands induce apoptosis in human colorectal and breast cancer cell lines](#) (2022), Journal of Pharmaceutical Sciences...
21. Šeklić, D.S. and Jovanović, M.M., [Platismatia glauca—Lichen species with suppressive properties on migration and invasiveness of two different colorectal carcinoma cell lines](#) (2022), Journal of Food Biochemistry 46(7)...
22. Stamenković, O., Stojković Piperac, M., Čerba, D., Milošević, Dj., Ostojić, A., Đorđević, N.B., Simić, S.B., Cvijanović, D., Buzhdygan, O.Y., [Taxonomic and functional aspects of diversity and composition of plankton communities in shallow lentic ecosystems along the human impact and environmental gradients](#) (2022), Aquatic Sciences 84, 57.
23. Mihajlović, K., Joksimović, N., Petronijević, J., Filipović, I., Janković, N., Milović, E., Popović, S., Matić, S., Baskić, D., Anticancer potential of some  $\beta$ -diketonates: DNA interactions, protein binding properties, and molecular docking study (2022), Natural Product Research 22, 1–7.
24. Joksimović, N., Petronijević, J., Radisavljević, S., Petrović, B., Mihajlović, K., Janković, N., Milović, E., Milivojević, D., Ilić, B., Đurić, A., Synthesis, characterization, antitumor potential, and investigation of mechanism of action of copper(II) complexes with acylpyruvates as ligands: interactions with biomolecules and kinetic study (2022), RSC Advances 12, 30501–30513.
25. Joksimović, N., Selaković, D., Jovičić, N., Janković, N., Pradeepkumar, P., Eftekhari, A., Rosić, G., Nanoplastics as an invisible threat to humans and the environment (2022), Journal of Nanomaterials xx, 6707819.
26. Mihajlović, K., Joksimović, N.,\* Radisavljević, S., Petronijević, J., Filipović, I., Janković, N., Milović, E., Popović, S., Matić, S., Baskić, D., Examination of antitumor potential of some acylpyruvates, interaction with DNA and binding properties with transport protein (2022), Journal of Molecular Structure 1270, 133943.
27. Joksimović, N., Petronijević, J., Milović, E., Janković, N., Kosanić, M., Petrović, N., Antioxidant and antimicrobial potential, BSA and DNA binding properties of some 3-Hydroxy-3-Pyrrolin-2-Ones bearing thenoyl fragment (2022), Medicinal Chemistry 18(7), 784–790.
28. Joksimović, N.,\* Petronijević, J., Milović, E., Janković, N., Baskić, D., Popović, S., Todorović, D., Matić, S., Vraneš, M., Tot, A., Synthesis, characterization, antitumor potential, BSA and DNA binding properties, and molecular docking study of some novel 3-hydroxy-3-pyrrolin-2-ones (2022), Medicinal Chemistry 18(3), 337–352.

29. Branković, S., Bugarčić, M., Bugarčić, Ž.F., Ostojić, A., Petronijević, J., Rosić, G., Radojević, I., Selaković, D., Simić, Z., Joksimović, N., Economic, ecological, and health aspects of  $\beta$ -diketonate application in the process of water purification (2022), *Environmental Science and Pollution Research* 29(39), 58703.
30. Milović, E., Petronijević, J., Joksimović, N., Beljkaš, M., Ružić, D., Nikolić, K., Vraneš, M., Tot, A., Đorđić Crnogorac, M., Stanojković, T., Janković, N., Anticancer evaluation of the selected tetrahydropyrimidines: 3D-QSAR, cytotoxic activities, mechanism of action, DNA, and BSA interactions (2022), *Journal of Molecular Structure* 1257, 132621.
31. M. M. Petrović, C. Roschger, K. Lang, A. Zierer, M. Mladenović, S. Trifunović, B. Mandić, M. D. Joksović, Synthesis and biological evaluation of new quinoline-4-carboxylic acid-chalcone hybrids as dihydroorotate dehydrogenase inhibitors (2022), *Arch. Pharm. ...*
32. Dušan Čočić, Biljana Petrović, Ralph Puchta, Marta Chrzanowska, Anna Katafias, Rudi van Eldik, Investigation of water substitution at  $\text{Ru}^{\text{II}}$  complexes by conceptual density function theory approach (2022), *Journal of Computational Chemistry* 30, 1161–1175.
33. Milena G. Milutinović, Nevena N. Milivojević, Nevena M. Đorđević, Danijela D. Nikodijević, Snežana R. Radisavljević, Ana S. Đeković Kesić, Snežana D. Marković, Gold(III) Complexes with Phenanthroline-derivatives Ligands Induce Apoptosis in Human Colorectal and Breast Cancer Cell Lines (2022), *Journal of Pharmaceutical Sciences* 000, 1–9.
34. A. Minić-Jančić, J. S. Katanić Stanković, N. Srećković, V. Mihailović, D. Ilić Komatina, D. Stevanović, Ferrocene-containing tetrahydropyrimidin-2(1H)-ones: Antioxidant and antimicrobial activity (2022), *J. Organomet. Chem.* 967, 122335.
35. Veronika Valková, Hana Dúranová, Nenad L. Vukovic, Milena Vukic, Maciej Kluz and Miroslava Kacáníová, [Assessment of Chemical Composition and Anti-Penicillium Activity of Vapours of Essential Oils from Abies Alba and Two Melaleuca Species in Food Model Systems](#) (2022), *Molecules* 27 (10), 3101.
36. Jovica Branković, Nevena Milivojević, Vesna Milovanović, Dušica Simijonović, Zorica D. Petrović, Zoran Marković, Dragana S. Šeklić, Marko N. Živanović, Milena D. Vukić and Vladimir P. Petrović, [Evaluation of antioxidant and cytotoxic properties of phenolic N-acylhydrazones: structure–activity relationship](#) (2022), *Royal society open science* 9, 211853.
37. Milena D. Vukic, Ana D. Obradovic, Nenad L. Vukovic, Miroslava Kacáníová, Predrag M. Djurdjevic, Gorica T. Djelic and Milos M. Matic, [Chemical Composition, Antitumor Potential, and Impact on Redox Homeostasis of the Essential Oils of Orlaya grandiflora from Two Climate Localities](#) (2022), *Molecules* 27, 5908.
38. Veronika Valková, Hana Dúranová, Lucia Galovičová, Nenad L. Vukovic, Milena Vukic, Przemysław Łukasz Kowalczewski and Miroslava Kačáníová, [Application of Three Types of Cinnamon Essential Oils as Natural Antifungal Preservatives in Wheat Bread](#) (2022), *Applied Sciences* 12(21), 10888.
39. S. Branković, J. Petronijević, M. Bugarčić, F. Bugarčić, A. Ostojić, J. Petronijević, G. Rosić, I. Radojević, A. Ostojić, D. Selaković, Z. Simić, N. Janković, Economic, ecological and health aspects of  $\beta$ -diketonate application in the process of water purification (2022), *Environmental Science and Pollution Research* 29, 58703–58715.
40. S. Đorđević, S. Radenković, S. Shaik, B. Braïda, On the Nature of the Bonding in Coinage Metal Halides (2022), *Molecules* 27, 490.

41. S. Đorđević, S. Radenković, Spatial and electronic structures of BeB<sub>8</sub> and MgB<sub>8</sub>. How far the analogy goes? (2022), Chem. Phys. Chem. 23, e202200070.
42. S. Radenković, Ž. Tomović, Tuning the structure and properties of N-doped positively charged polycyclic aromatic hydrocarbons (2022), Chem. Phys. Chem. 23, e202200125.
43. P. Preethalayam, N. Proos Vedin, S. Radenković, H. Ottosson, Azaboracyclooctatetraenes reveal that the different aspects of triplet state Baird-aromaticity are nothing but different (2022), Journal of Physical Organic Chemistry 36, e4455.
44. C. Tortora, L. Pisano, V. Vergine, F. Ghirga, A. Iazzetti, A. Calcaterra, V. Marković, B. Botta, D. Quaglio, Synthesis, biosynthesis, and biological activity of Diels-Alder adducts from Morus genus: an update (2022), Molecules 27, 7580.
45. Branković, J., Milovanović, V. M., Simijonović, D., Novaković, S., Petrović, Z. D., Trifunović, S. S., Bogdanović, G. A., Petrović, V. P., [Pyrazolone-Type Compounds: Synthesis and in Silico Assessment of Antiviral Potential against Key Viral Proteins of SARS-CoV-2](#) (2022), RSC Advances 12 (25), 16054–16070.
46. Branković, J., Milivojević, N., Milovanović, V., Simijonović, D., Petrović, Z. D., Marković, Z., Šeklić, D. S., Živanović, M. N., Vukić, M. D., Petrović, V. P., [Evaluation of Antioxidant and Cytotoxic Properties of Phenolic N -Acyhydrazones: Structure–Activity Relationship](#) (2022), Royal Society Open Science 9(6), ...
47. Branković, J., Krokidis, M. G., Dousi, I., Papadopoulos, K., Petrović, Z. D., Petrović, V. P., [Antioxidant and Cytotoxic Activities of Selected Salicylidene Imines: Experimental and Computational Study](#) (2022), Molecular Diversity ...
48. A. Ali, B. Furtula, I. Redžepović, I. Gutman, [Atom-bond sum-connectivity index](#) (2022), Journal of Mathematical Chemistry 60, 2081–2093.
49. I. Gutman, I. Redžepović, B. Furtula, A. M. Sahal, [Energy of graphs with self-loops](#) (2022), MATCH Communications in Mathematical and in Computer Chemistry 87, 645–652.
50. J. Gitarić, B. Waržajtis, N. S. Drašković, M. Stevanovic, D. P. Ašanin, S. Skaro-Bogojevic, U. Rychlewska, M. I. Djuran and B. Đ. Glišić, [Structural characterization and antimicrobial evaluation of chromium\(III\) and cobalt\(III\) complexes with 2,2-diMe-1,3-pdta: Tuning dimensionality of coordination polymer and the water content by alkyl substitution](#) (2022), Polyhedron 222, 115864.
51. T. P. Andrejević, I. Aleksic, J. Kljun, B. V. Pantović, D. Milivojevic, S. Vojnovic, I. Turel, M. I. Djuran and B. Đ. Glišić, [Zinc\(II\) complexes with dimethyl 2,2'-bipyridine-4,5-dicarboxylate: Structure, antimicrobial activity and DNA/BSA binding study](#) (2022), Inorganics 10, 71.
52. J. Gitarić, I. M. Stanojević, D. D. Radanović, A. Crochet, D. P. Ašanin, V. Jankovic, S. Skaro-Bogojevic, M. I. Djuran and B. Đ. Glišić, [Cobalt\(II\) and magnesium\(II\) complexes with 1,3-pdta-type of ligands: influence of an alkyl substituent at 1,3-propanediamine chain on the structural and antimicrobial properties of the complex](#) (2022), Journal of Coordination Chemistry 75 (2022) 1899–1914.
53. N. Kurtanović, N. Tomašević, S. Matić, E. Proia, M. Sabatino, L. Antonini, M. Mladenović, R. Ragno, [Human Estrogen Receptor Alpha Antagonists, Part 3: 3-D Pharmacophore and 3-D QSAR Guided Brefeldin A Hit-To-Lead Optimization toward New Breast Cancer Suppressants](#) (2022), Molecules 27, 2823.

54. M. M. Petrović, C. Roschger, K. Lang, A. Zierer, M. Mladenović, S. Trifunović, B. Mandić, M. D. Joksović, [Synthesis and biological evaluation of new quinoline-4-carboxylic acid-chalcone hybrids as dihydroorotate dehydrogenase inhibitors](#) (2022), *Archiv der Pharmazie*, e2200374.
55. K. Postolović, B. Ljujić, M. Miletić Kovačević, S. Đorđević, S. Nikolić, S. Živanović, Z. Stanić, [Optimization, characterization, and evaluation of carrageenan/alginate/ poloxamer/curcumin hydrogel film as a functional wound dressing material](#) (2022), *Materials Today Communications* 31, 103528.
56. K.S. Postolović, M.D. Antonijević, B. Ljujić, M. Miletić Kovačević, M. Gazdić Janković, Z.D. Stanić, [pH-Responsive Hydrogel Beads Based on Alginate,  \$\kappa\$ -Carrageenan and Poloxamer for Enhanced Curcumin, Natural Bioactive Compound, Encapsulation and Controlled Release Efficiency](#) (2022), *Molecules* 27, 4045.
57. N.Z. Petrović, M.P. Stanić, and T.V. Tomović Mladenović, Anti-Gaussian quadrature rules for trigonometric polynomials (2022), *Filomat* 36 (3), 1005–1019.
58. S. Radovanović, M. Milivojević, B. Stojanović, S. Obradović, D. Divac, N. Milivojević, [Modeling of Water Losses in Hydraulic Tunnels under Pressure Based on Stepwise Regression Method](#) (2022), *Applied Sciences* 12, 9019.
59. Milićević, B., Ivanović, M., Stojanović, B., Milošević, M., Kojić, M., & Filipović, N., Huxley muscle model surrogates for high-speed multi-scale simulations of cardiac contraction (2022), *Computers in Biology and Medicine* 149, 105963.
60. N. Stojanović, M. Boričić Joksimović, Soft Outer Measure and Soft Premeasure (2022), *Filomat* 36 (6), 2129–2141.
61. E. Nešović, U. Ozturk, E.B. Koc Ozturk, On non-null relatively normal slant helices in Minkowski 3-space (2022), *Filomat*, Vol. 36, No. 6, pp. ...
62. 6. Stojiljković V., Fabiano N., Pantović M.V., Radojević S., Radenović S.N., Šešum Čavić V., Various Series Related to the Polylogarithmic Function (2022), *Axioms*, Vol. 11, Num. 4.
63. Branko Arsic, Igor Saveljic, Frank S. Henry, Nenad Filipovic, and Akira Tsuda, Application of Machine Learning for Segmentation of the Pulmonary Acinus Imaged by Synchrotron X-ray Tomography (2022), *Journal of Aerosol Medicine and Pulmonary Drug Delivery*, ... Accepted to appear.
64. N. Andrijević, V. Urošević, B. Arsić, D. Herceg, and B. Savić, [IoT Monitoring and Prediction Modeling of Honeybee Activity with Alarm](#) (2022), *Electronics* 11(5), 783.
65. B. Borovićanin, B. Furtula, M. Jerotijević, On the minimum Harary index of graphs with a given diameter or independence number (2022), *Discrete Appl. Math.* 320, 331–345.

## **M23 (укупно: 36)**

1. Milan S. Kovačević, Marko M. Milošević, Ljubica Kuzmanović, A useful experiment for teaching resistance of a wire as a function of temperature, *The Physics Teacher* (accepted 2022)
2. Vukasinovic N., Agatonovic-Jovin T., Bozovic-Jelisavcic I., Kacarevic G., Milutinovic-Dumbelovic G., Smiljanic I., Radulovic M., Stevanovic J., CPV in  $e^+e^-H$  at 1 TeV ILC (2022), *Moscow University Physics Bulletin* 77 (2), 268–269.



3. Živković, M.P., Miladinović, T.B., Miladinović, A.M., Molnar, U.J., Krstić, D.Ž., [Absorbed dose distribution in human eye simulated by fotelp-vox code and verified by volumetric modulated arc therapy treatment plan](#) (2022), Nuclear Technology and Radiation Protection 37(1), pp. 78–83.
4. P. Ferrari, F. Becker, L. Campani, J. Jansen, Z. Jovanović, D. Krstić, F. Mariotti, P. Teles, G. Venturi, [On the placement of apron dosimeters and dose assessment in interventional cardiology procedures: Preliminary Results](#) (2022), Radiation Protection Dosimetry 198(19), 1495–1499.
5. Grujović. M. Ž., Mladenović, K.G., Marković, S.M., Đukić, N.H., Stajić, J.M., Ostojić, A.M., Zlatić, N.M., [Chemical, radiological and microbiological characterization of a drinking water source: a case study](#) (2022), Letters in Applied Microbiology...
6. I.D. Radojevic, K.G. Mladenović, M.Ž. Grujović, S.M. Vasić, [Grape stalks as a source of antioxidant and antimicrobial substances and their potential application](#) (2022), Botanica Serbica, Vol. 46, 2, 179–186.
7. Joksimović N, Petronijević J, Milović E, Janković N, Kosanić M, Petrović N., Antioxidant and Antimicrobial Potential, BSA and DNA Binding Properties of Some 3-Hydroxy-3-Pyrrolin-2 Ones Bearing Thenoyl Fragment (2022), Medicinal Chemistry 18 (7), 784–790.
8. Jovankić, J.V., Cvetković, D.M., Milutinović, M.G., Nikodijević, D.D., Nikezić, A. G., Grbović, F.J., Marković, S.D., The impact of medicinal plant *Ocimum minimum* L. on fatty acid synthesis process in breast cancer cells (2022), Biologia 77 (2), 489–501.
9. Jovanović, M., Grbović, F., Milovanović, J., Nonić, M., Šijačić-Nikolić, M., Branković, S., [Patterns of leaf morphological variation in \*Quercus frainetto\* Ten. growing on different soil types in Serbia](#) (2022), Arch Biol Sci. 74 (2), 191–199.
10. Jovanović, M., Prelević, D., Jović, V., Srećković-Batočanin, D., Branković, S., Content of potentially toxic elements in residual soils of a long-term mining region: a key study from Central and Western Serbia (2022), Periodico di Mineralogia 91, 257–279.
11. Kanjevac M., Bojović B., Jakovljević D., Improvement of physiological performance of selected cereals by modulating pregerminative metabolic activity in seeds (2022), Cereal Research Communications 50 (4), 831–839.
12. Kosanić M., Ranković B., Ristić S., Stanojković T., Vasiljević P., Manojlović N., Phytochemical and biological characterization of acetone extracts from the lichen *Cladonia coniocraea* and *Cladonia ramulosa* growing in Serbia (2022), Digest Journal of Nanomaterials and Biostructures 17 (3), 1079–1087.
13. Marić S.P., Bănăduc D., Gajić Đ.D., Šanda R., Veličković T.Z., *Sabanejewia romanica* (Băcescu, 1943) (Actinopterygii: Cobitidae), a new species for the ichthyofauna of Serbia (2022), Acta Zoologica Bulgarica...
14. Olgica Stefanović, Dijana Mladenović, Katarina Mladenović, Mirjana Grujović, Dragana Ivanović, *Escherichia coli* biofilm formation and control by phenolic compounds from *Salvia officinalis* L. extracts (2022), Indian Journal of Experimental Biology 60, 771–780.
15. Petrović N, Tosti T, Srbljak I, Đurić A, Kosanić M., Chemical Composition and Bioactivity of the Giant Polypore or Black-Staining Mushroom, *Meripilus giganteus* (Agaricomycetes), from Serbia (2022), International Journal of Medicinal Mushrooms 24 (7), 21–40.

16. Popović, F. J., Stojanović, M. M., Sekulić, J. M., Radosavljević, S. B. and Trakić, T. B., New records of Serbian “archaic” and endemic earthworm *Allolobophora* (sensu lato) *paratuleskovi* (Šapkarev, 1975): geographic range size and biogeographic significance (2022), *North-Western Journal of Zoology* 18 (1), pp. 91–94.
17. Popović, F., Stojanović, M., Domínguez, J., Sekulić, M., Trakić, B. and Marchán, F. [Molecular analysis of five controversial Balkanic species of \*Allolobophora\* \(sensu lato\) Eisen, 1873 \(Lumbricidae, Clitellata\) with emendation of the genus \*Cernosvitovia\* Omodeo, 1956](#) (2022), *Zootaxa* 5116 (3), pp. 351–372.
18. Popović, F., Stojanović, M., Radosavljević, S., Trakić, T. and Sekulić, J., [Earthworm community structure along altitudinal gradients on the western slopes of Kopaonik Mountain in Serbia](#) (2022), *Turkish Journal of Zoology* 46 (1), pp. 103–114.
19. Radenković M., Stojković-Piperac M., Milošković A., Kojadinović N., Đuretanović S., Veličković T., Jakovljević M., Nikolić M., Simić, V., Diet seasonality and food overlap of *Perca fluviatilis* (Actinopterygii: Perciformes: Percidae) and *Rutilus rutilus* (Actinopterygii: Cypriniformes: Cyprinidae) juveniles: A case study on Bovan Reservoir, Serbia (2022), *Acta Ichthyologica et Piscatoria* 52 (1).
20. Radojević ID, Mladenović KG, Comić LjR, Raković IR, Milosević-Djordjević OM, Grujić DV, Marković A.M, Tubić Vukajlović J., Djelić G.T, Topuzović M.D Mihailović N.R., [Unexplored Biological Properties and Phytochemical Characterization of Methanolic Extracts of \*Achillea Ageratifolia\* Subsp. \*Serbica\* \(NYMAN\) Heimerl](#) (2022), *Journal of Animal And Plant Sciences*, Vol. 32, Num. 2, pp. 578–588.
21. Sekulić, J., Milenković, S., Stojanović, M., Popović, F. & Trakić, T., [Species richness and community structure of earthworms \(Oligochaeta: Lumbricidae\) in natural and agricultural ecosystems](#) (2022), *Biologia* XX, pp. 1–10.
22. Sekulić, J., Stojanović, M., Popović, F. & Trakić, T., [Checklist of the earthworm fauna of Bosnia & Herzegovina \(Oligochaeta: Lumbricidae\)](#) (2022), *Zootaxa* 5093 (5), 501–518.
23. Stanković M., Zlatić N., Mašković J., Mašković P., Jakovljević D., [Teucrium scordium L. and Mentha pulegium L. essential oil importance in adaptive response to salinity stress](#) (2022), *Biochemical Systematics and Ecology* 102, 104419.
24. Tomović Lj., Anđelković M., Golubović A., Arsovski D., Ajtić R., Sterijovski B., Nikolić S., Crnobrnja-Isailović J., Lakušić M., Bonnet X., [Dwarf vipers on a small island: body size, diet and fecundity correlates](#) (2022), *Biological Journal of the Linnean Society* 137, pp. 267–279.
25. Živković M., Zlatić N., Zeremski T., Stanković M., Manić V., Krstić D., Nikezić D., [Ecological studies of the naturally occurring radionuclides, <sup>137</sup>Cs and heavy metals in soil, plants, and milk in surrounding of Kragujevac city, Serbia](#) (2022), *Journal of Radioanalytical and Nuclear Chemistry* 331, pp. 1285–1298.
26. Zlatić N, Mihailović V, Lješević M, Beškoski V, Stanković M., [Geological substrate-related variability of \*Teucrium montanum\* L. \(Lamiaceae\) essential oil](#) (2022), *Biochemical Systematics and Ecology* 100, 104372.
27. Milan M. Milutinović, Angelina Z. Čaković, Dušan Čočić, Eduard Rais, Roland Schoch, Bojana Simović Marković, Nebojša Arsenijević, Vladislav Volarević, Snezana Jovanović-Stević, Jovana V. Bogojeski, René Wilhelm, Unique enantiopure camphor-based neutral arene-ruthenium(II)

complexes: DNA/BSA binding, kinetic and cytotoxic studies (2022), Journal of Coordination Chemistry, Vol. 75, Nos. 11–14, pp. 1636–1655.

28. Jovana V. Jovankić, Danijela M. Cvetković, Milena G. Milutinović, Danijela D. Nikodijević, Aleksandra G. Nikezić, Filip J. Grbović, Nenad L. Vuković, Milena D. Vukić, Dragana Z. Jakovljević and Snežana D. Marković, [The impact of medicinal plant \*Ocimum minimum\* L. on fatty acid synthesis process in breast cancer cells](#) (2022), *Biologia* 77 (2), pp. 489–501.
29. Nenad Zlatić, Vladimir Mihailović, Marija Lješević, Vladimir Beškoski, Milan Stanković, [Geological substrate-related variability of \*Teucrium montanum\* L. \(Lamiaceae\) essential oil](#) (2022), *Biochemical Systematics and Ecology* 100, 104372.
30. R. Puchta, S. Đorđević, S. Radenković, H. Jiao, N. J. R. Van Eikema Hommes, [25 years of NICS - much more than nothing!](#) (2022), *Journal of Serbian Chemical Society*...
31. I. D. Radojević, K. G. Mladenović, Lj. R. Čomić, I. R. Raković, O. M. Milošević-Djordjević, D. V. Grujičić, A. M. Marković, J. M. Tubić Vukajlović, G. Djelić, M. Topuzović, N. R. Mihailović, [Unexplored Biological Properties and Phytochemical Characterization of Methanolic Extracts of \*Achillea ageratifolia\* subsp. \*serbica\* \(Nyman\) Heimerl](#) (2022), *Journal of Animal and Plant Sciences* 32...
32. Marko D. Radovanović, Marija S. Ristić, Matija Zlatar, Frank W. Heinemann, Zoran D. Matović, New rhodium(III)-ED3AP complex: crystal structure, characterization and computational chemistry (2022), *Journal of the Serbian Chemical Society*...
33. Ignjat P. Filipović, Emina M. Mrkalić, Giorgio Pelosi, Vesna Kojić, Dimitar Jakimov, Dejan Baskić, Zoran D. Matović, Structural, biological and computational study of oxamide derivative (2022), *Journal of the Serbian Chemical Society* 87 (5), pp. 545–559.
34. F. Stasević, N. Miletić, J. Đurđević Nikolić, I. Gutman, Do Serbian high school students possess knowledge of basic chemical facts related to real life as a prerequisite for chemical literacy? (2022), *Journal of the Serbian Chemical Society* 00 (0), pp. 1–13.
35. B. Borovićanin, B. Furtula, M. Jerotijević, On the minimum Harary index of graphs with a given diameter or independence number (2022), *Discrete Applied Mathematics* 320, pp. 331–345.
36. Mačužić Saveljić, S., Arsić, B., Saveljić, I., Lukić, J., and Filipović N., [Artificial neural network for prediction of seat-to-head frequency response function during whole body vibrations in the fore-and-aft direction](#) (2022), *Technical Gazette* 29 (6), ...

## M24 (укупно: 14)

1. Milan S. Kovačević, Marko M. Milošević, Ljubica Kuzmanović, The new rolling friction coefficient measurement method based on the work-energy theorem (2022), *Revista Mexicana de Física E*...
2. Bojović B., Kanjevac M., Todorović M., Jakovljević D., Evaluation of seed priming on germination and growth of basil (*Ocimum basilicum* L. cv. 'Genovese') (2022), *Kragujevac Journal of Science* 44, pp. 189-198.
3. Jovankić J.V., Nikodijević D.D., Blagojević S.Z., Radenković N.M., Jakovljević D.Z., Grbović F.J., Cvetković D.M., [The biological activity of \*Ocimum minimum\* L. flowers on redox status](#)

[parameters in HCT-116 colorectal carcinoma cells](#) (2022), Kragujevac Journal of Science 44, pp. 155–168.

4. Marina M. Stanković, Dejan D. Arsenijević, Nevena S. Planojević, Jelena N. Terzić, Olgica D. Stefanović, Bioactive compounds from *Taraxacum officinale* extracts obtained by optimized ultrasound-assisted extraction (2022), Kragujevac J. Sci. 44 pp. 169–187.
5. Matić M. Miloš, Obradović D. Ana, Milošević D. Marija, Paunović G. Milica, Ognjanović I. Branka, [The effects of Interleukin-6 on viability, redox homeostasis and migration capacity of human placental cells JEG-3 in chemically induced hypoxia](#) (2022), Kragujevac Journal of Science 44, pp. 103–114.
6. Matić, M., Obradović, A., Paunović, M., Milošević, M., Milojević, S., Planojević, N., Ognjanović, B., [The physiological role of interleukin-6 in the placenta and its pathological potential in pregnancy](#) (2022), Biologia Serbica 44 (1), pp. 52–57.
7. Nikolić M.D., Milošković A.M., Jakovljević M.M., Radenković M.D., Veličković T.Z., Đuretanović S.R., Kojadinović N.M., Nikolić M., Simić, V.M., The first observation of the presence of microplastics in wild common bleak (*Alburnus alburnus* L.) and standardization of extraction protocols (2022), Kragujevac J. Sci. 44...
8. Popovic, F., Stojanovic-Petrović, M., Trakić, T. and Sekulić, J., [Earthworms \(Annelida: Oligochaeta, Lumbricidae\) of the Kopaonik National Park \(Serbia\)](#) (2022), Kragujevac Journal of Science 44, pp. 219–230.
9. Sekulić, J.M., Mrkalić, E.M., Stojanović-Petrović, M.M., Popović, F.J. and Trakić, T.B., [Assessments of the impact of metals on juvenile earthworms \(\*Eisenia fetida\*\) in laboratory conditions](#) (2022), Kragujevac Journal of Science 44, pp. 255–266.
10. Simović P., Simić V., Petrović A., [The first record of \*Dixella aestivalis\* \(Meigen, 1818\) \(Diptera: Dixidae\) in Serbia](#) (2022), Kragujevac Journal of Science 44, pp. 207–214.
11. Šmit B., Radojević I., Stanić P., Ašanin D., Vasić M., Katanić-Stanković J.S., [Synthesis of series of different imidazolidine-2,4-dione derivatives and evaluation of their antimicrobial potential](#) (2022), Kragujevac Journal of Science 44, pp. 57–74.
12. Stanković M.M., Arsenijević D.D., Planojević N.S., Terzić J.N., Stefanović O.D., [Bioactive compounds from \*Taraxacum officinale\* extracts obtained by optimized ultrasound-assisted extraction](#) (2022), Kragujevac Journal of Science 44, pp. 169–187.
13. Trakić T.B., Radosavljević S.L., Popović F.J., Stojanović-Petrović M.M. and Sekulić J.M., [Distribution of \*Lumbricus meliboeus\* \(Rosa 1884\) \(Oligochaeta, Lumbricidae\): First finding in Kosovo and Metohija](#) (2022), Kragujevac Journal of Science 44, pp. 231–237.
14. Popović B., Dimitrijević S., Stanić M. and Milenković A., [Students' success in solving mathematical problems depending on different representations](#) (2022), The Teaching of Mathematics 25 (2) 74–92.

## M31

1. Trakić T.B., Stojanović M. M., Sekulić J. M. and Popović F. J. 2022. Overview of the geographic distribution endemic earthworm *Helodrilus balkanicus plavensis* (Karaman, 1972) on the balkan. Proceedings COAST, pp. 416–420.

## M32

1. M. Živković, T.B. Miladinović, M.Ž. Radojević, N. Milosavljević, D. Krstić and A.M. Miladinović. Improvement of eye dosimetry: The application of photon beam radiotherapy in patients with eye melanoma. Novel Ophthalmology, 3rd Global Ophthalmology and Eye Diseases Summit, September 12-13, 2022, Paris, France (Virtual Event). <https://novel-ophthalmology.peersalleyconferences.com/>
2. Milena Zivkovic, Zeljko Cimbalevic, Tatjana B. Miladinovic, Dragana Krstic, Vladimir Markovic, Gamma spectrometry analysis and health risk assessment of edible liquids. 10th International Conference on Healthcare Research and Patient Safety Tentative program – December 07, 2022 (Online-via-Zoom) <https://www.meetingsint.com/conferences/health-care/>

## M33 (укупно: 36)

1. Ferrari, P., Ginjaume, M., Hupe, O., O'Connor, U., Vanhavere, F., Bakhanova, E., Becker, F., Campani, L., Carinou, E., Clairand, I., Faj, D., Jansen, J., Jovanović, Z., Knežević, Ž., Krstić, D., Mariotti, F., Sans-Merce, M., Teles, P., Živković, M. What Is Worth Knowing in Interventional Practices about Medical Staff Radiation Exposure Monitoring: A Review of Recent Outcomes of EURADOS Working Group 12. Environments - MDPI, 2022, 9(4), 53. The Annual National Radiation Protection Conference organized by the Italian Radiation Protection Association (AIRP) and held in Rome from the 29th September to the 1st October, 2021. <https://doi.org/10.3390/environments9040053>
2. Bussolotti G.R., Krstic, D., Nikezic, D., Leal, A.S., Zivkovic, M. and Mendes, B.M. Computational Internal dosimetry of natural cisplatin activated in neutron flux: the Pt-191 contribution. Brazilian Journal of Radiationsciences 10-02A(2022) 01-17. First Latin-American Congress on Solid State Dosimetry and Radiation Measurements LASSD, 13-17 September, 2021. <https://doi.org/10.15392/bjrs.v10i2A.1816>
3. Milena Zivkovic, Dragana Krstic, Tatjana B. Miladinovic, Filip Grbovic, Snezana Brankovic. Levels of radioactivity of natural radionuclides and <sup>137</sup>Cs on characteristic landfills and natural habitats in Serbia. Proceeding. 1th International Conference „Conference On Advances In Science And Technology“ COAST 2022, May 26-29, 2022 Herceg Novi, Montenegro.
4. Ивана Видаковић, Милена Живковић, Љубица Кузмановић, Драгана Крстић, Петар Миленковић. Занимљиви огледи из оптике и термодинамике. Zbornik radova 9. Međunarodne konferencije o nastavi fizike u srednjim školama, Aleksinac, 15-17. oktobra 2021. pp. 87-92.; одложен због короне и одржан: 8-10. aprila 2022.
5. Милена Живковић, Ивана Видаковић, Љубица Кузмановић, Драгана Крстић, Петар Миленковић. Симулација радиоактивног распада хидродинамичким моделом. Međunarodne konferencije o nastavi fizike u srednjim školama, Aleksinac, 15-17. oktobra 2021. pp. 155-159.; одложен због короне и одржан: 8-10. aprila 2022.
6. Dario Faj et al., Foetal dosimetry in pregnant patients undergoing diagnostic and interventional radiology procedures: investigation of clinical routine practice. 4th European Congress of Medical Physics. 17th - 20th August 2022, Dublin.
7. Dragana Krstic , Aleksandar Miladinović, Tatjana Miladinović, Milena Zivkovic , Sladjana Aćimović Talijan, Ana Krstic. Comparative dosimetric analysis of advanced VMAT and IMRT with a standard 3D conformal radiation planning technique for pancreatic cancer. Book of

8. Arsenijević D., Jovanović M., Pecić K., Grujović M., Marković K., and Šeklić D., [Effects of \*Laetiporus sulphureus\* on viability of HeLa cells in co-culture system with \*Saccharomyces boulardii\*](#) (2022), *Foods* 69.
9. Gvozdenc, S., Ilić, A., Vasić, M., Nagl, N., Prvulović, D., Petrović, G., Tanasković, S., Vukajlović, F. (2022): Are trypsin inhibitors responsible for the suitability of different legumes for *Acanthocephalus obiectus* development? IOBC-WPRS Bulletin Vol. 159, IOBC–WPRS Working Group „Integrated Protection of Stored Products“, Proceedings of the 13th meeting at Barcelona (Spain), 03–06 October, 2022. Edited by Nuria Agusti, Cristina Castañé, and Jordi Riudavets. ISBN 978-92-9067-345-3; IOBC–WPRS Darmstadt, pp. 64-70. ISBN 978-92-9067-345-3
10. Jovanović MM, Šeklić DS, Vukić MD, Vuković NL, Planojević NS, Marković SD. Unsaturated Fatty Acid 10H2DA Content in Serbian Royal Jelly and Its Effects on Motility of Colorectal Carcinoma Cell Lines. The 25th International Electronic Conference on Synthetic Organic Chemistry Chem. Proc, 1–15. november 2022, ECSOC-25.
11. Jovanović M. M., Virijević K., Pavić J., Arsenijević D., Pecić K., Kastratović N., Živanović M., & Šeklić D., [Antimigratory activity of royal jelly on HCT-116 colorectal cancer cells](#) (2022), *Foods* 60.
12. Kaplarevic-Malistic A, S. Dimitrijević, I.D. Radojevic, M. Kovačević (2022). Developing Teaching Competencies for Implementing Blended Learning in Higher Education: Experiences of Faculty of Science, University of Kragujevac. Conference Paper. 9th International scientific conference, Technics and Informatics in Education – TIE 2022. 16-18 September 2022. Session: Professional Development and General Education Topics Professional paper. <https://doi.org/10.46793/TIE22.352K>
13. Kosanić M, Vesić A, Petrović N. Bioaktivnost acetonskih ekstrakata vrsta *Herichium clathroides* i *Auricularia mesenterica*. **XXVII Savetovanje o biotehnologiji sa međunarodnim učešćem, 25 i 26 mart, 2022. Agronomski fakultet, Čačak. Zbornik radova. 483-488.** ISBN: 978-86-87611-86-3
14. Marković V., Zorić K., Ilić M., Đuretanović S., Smederevac-Lalić M. (2022). Stone crayfish *Austropotamobius torrentium* (Schrank, 1803) in south-eastern Serbia: Children knowledge survey. 29th International Conference Ecological Truth and Environmental Research - EcoTER'22, Sokobanja, Serbia; pp 290-294.
15. Milošković A., Kojadinović N., Radenković M., Veličković T., Đuretanović S., Simić V. (2022). Aquatic species in studies of potentially toxic elements in waters of Serbia. 1th International Conference „Conference On Advances In Science And Technology“ COAST 2022, Herceg Novi, Montenegro; pp 67.
16. Pecić, K., Jovanović, M., Arsenijević, D., Pavić, J., Grujović, M., Mladenović, K., Virijević, K., Živanović, M., & Šeklić, D. (2022). *Laetiporus sulphureus* affects migration and superoxide anion radical levels in HeLa cervical cancer cells. *Foods* 2022, 16. <https://doi.org/10.3390/Foods2022-12933> M33
17. Šeklić, D. S., Jovanović, M. M., Virijević, K., Grujić, J., Živanović, M., & Marković, S. D. (2022). Effects of edible mushrooms *Phellinus linteus* and *Lentinus edodes* methanol extracts on

colorectal cancer cell lines. The 2nd International Electronic Conference on Foods - "Future Foods and Food Technologies for a Sustainable World," 85. <https://doi.org/10.3390/Foods2021-11055> M33

18. Veličković T., Marić S., Milošković A., Đuretanović S., Radenković M., Kojadinović N., Simić V. (2022). Preliminary results of genetic characterization of brown trout the "Tolišnica" reprocenter, Serbia. 1th International Conference „Conference On Advances In Science And Technology“ COAST 2022, Herceg Novi, Montenegro; pp 69.
19. Vukajlović, F., Predojević, D., Gvozdenac, S., Tanasković, S., Perišić, V., Mitrovski Bogdanović, A., Pešić, S. (2022): Susceptibility of different dried fruits to infestation by *Plodia interpunctella* (Lepidoptera: Pyralidae) in laboratory conditions. IOBC-WPRS Bulletin Vol. 159, IOBC–WPRS Working Group „Integrated Protection of Stored Products“, Proceedings of the 13th meeting at Barcelona (Spain), 03–06 October, 2022. Edited by Nuria Agusti, Cristina Castañé, and Jordi Riudavets. ISBN 978-92-9067-345-3; IOBC–WPRS Darmstadt, pp. 116-120. ISBN 978-92-9067-345-3
20. Emilija Milović, Nenad Joksimović, Jelena Petronijević, Nenad Janković, Dejan Baskić. Anticancer activity of selected  $\beta$ -diketonates. I Internacional Conference of Advances in Science and Technology, Herceg Novi, 26-29, May, Montenegro (2022) Book of Abstracts, page 57. ISBN: 978-9940-611-03-3. M33
21. Angelina Z. Cakovic, Dušan S. Cocic, Marko Zivanovic, Jelena Pavic, Katarina Virijevic, Nenad Jankovic, Milan Vranes, Jovana V. Bogojeski Effect of using biocompatible ionic liquids as cosolvents on the reactions of Rh(III)complexes with 5'-GMP, and CT-DNA, as well as on their cytotoxic effect, 1ht International Conference „Conference on advances in science and technology“ COAST2022, 2022, Herceg Novi, Montenegro, May 26-29, M33.
22. Biljana Petrović, Ana Rilak Simović, Milica Međedović, “The interactions of new mononuclear ruthenium(III) complexes with DNA and BSA”, Book of Abstracts of the conference on advances in science and technology, COAST 2022, Herceg Novi, Montenegro, 26-29 May, (M33)
23. B. Milicevic, V. Simic, M. Milosevic, M. Ivanovic, B. Stojanovic, M. Kojic, N. Filipovic. Integration of Surrogate Huxley Muscle Model into Finite Element Solver for Simulation of the Cardiac Cycle. Annu Int Conf IEEE Eng Med Biol Soc. 2022 Jul; 2022. M33
24. B. Milićević, M. Ivanović, B. Stojanović, N. Filipović. Solving the Huxley equation for isometric muscle contraction using physics-informed neural network. 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI) Kragujevac, Serbia, May 19-20, 2022. M33
25. Bojović, F., Milašinović, M., Jovanović, B., Krstić, L., Stojanović, B., Ivanović, M. & Milivojević, N. (2022). Physics informed neural networks for 1D flood routing. In 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI). M33
26. B. Jovanović, M. Ivanović, B. Stojanović, F. Bojović, N. Andrijević, (2022). Modeling 2D Steady Flow through a Porous Medium with Free Surface Using Physics- Informed Neural Networks, In 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI). M33
27. B. Milićević, M. Ivanović, B. Stojanović, N. Filipović, (2022). Solving the Huxley Equation for Isometric Muscle Contraction Using Physics-informed Neural Network, In 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI). M33

28. B. Laković, N. Andrijević, L. Krstić, B. Jovanović, D. Stefanović, N. Bojović, M. Ivanović, B. Stojanović (2022). Energy Management Platform Based on Automated Machine Learning, In 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI). M33
29. S. Nikolić, M. Ivanović, A. Kaplarević-Mališić (2022). *Data-Driven Solution Of 1-D Stefan Problem*, In 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI). M33
30. Dragutin Ostojić, Branko Arsić, Tatjana Stojanović, Neda Vidanović Miletić. Efficient model for English to Serbian neural machine translation. In Proceedings of the 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI) Kragujevac, Serbia, May 19-20, 2022, M33
31. Igor Saveljić, Slavica Mačužić Saveljić, Branko Arsić and Nenad Filipović. Recurrent neural networks for the prediction of seat-to-head transfer functions. In Proceedings of the 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI) Kragujevac, Serbia, May 19-20, 2022, M33
32. Milos Anić, Tijana Đukić, Branko Gaković, Branko Arsić, Nenad Filipović. Improved three-dimensional reconstruction of patientspecific carotid bifurcation using deep learning based segmentation of ultrasound images, in Proceedings of the 1st Serbian International Conference on Applied Artificial Intelligence (SICAAI) Kragujevac, Serbia, May 19-20, 2022, M33
33. Smiljana Tomasevic, Branko Arsic, Milos Anic, Branko Gakovic, Igor Koncar, and Nenad Filipovic, Atherosclerotic Plaque Characterization Using Deep Learning Methods, 70th International Congress of the European Society for CardioVascular and Endovascular Surgery (ESCVS 2022), June 20-23, 2022, Liege, Belgium, M33
34. N. Filipovic, A. Blagojevic, S. Tomasevic, B. Arsic, T. Djukic. Agent Based and Finite Element Method for Plaque Development in the Carotid Artery, 70th International Congress of the European Society for CardioVascular and Endovascular Surgery (ESCVS 2022), June 20-23, 2022, Liege, Belgium, M33
35. Tijana Djukic, Smiljana Tomasevic, Branko Arsic, Milos Anic, Branko Gakovic, and Nenad Filipovic, Integrating From 2D ultrasound images to 3D patient-specific models of atherosclerotic carotid bifurcation, Joint KMM-VIN / ViCEM / ESB cross-disciplinary workshop: "Biomedical and bioinspired materials and structures: a cross-disciplinary approach", September 22-23, 2022, Vienna, Austria, M33
36. Tijana Djukic, Smiljana Tomasevic, Branko Arsic, Branko Gakovic, and Nenad Filipovic, Integrating deep learning and meshing techniques to perform 3D reconstruction of patient-specific carotid bifurcation with plaque classification, EEE-EMBS International Conference on Biomedical and Health Informatics (BHI'22), Ioannina, Greece, September 27-30, 2022. M33

## **M34 (укупно: 57)**

1. Milena Zivkovic, Dragana Krstic, Tatjana B. Miladinovic, Aleksandar Miladinovic, Dusan Cocic. Absorbed dose in humerus for breast cancer and regional lymph nodes involment simulated by FOTELP–VOX code comparison with calculations by treatment planing system. Book of abstracts International Conference on Radiation Applications (RAP 2022), Thessaloniki, Greece June 6-10, 2022. [www.rap-conference.org](http://www.rap-conference.org)



2. Ferrari P., Becker F, Campani L., Jansen J., Jovanovic Z., Krstic D., Mariotti F., Teles P., Venturi G. How the dosimeter's placement on protective apron may affect the Hp(10) measurements in interventional cardiological and radiological procedures. Book of Abstracts. International Conference on Individual Monitoring of Ionising Radiation (IM2022) and Neutron and Ion Dosimetry Symposium (NEUDOS-14) 25th to 29th April 2022 Kraków, Poland
3. Ana Obradović, Milena Vukić, Nenad Vuković, Miroslava Kačaniová, Miloš Matić (2022). Antitumor activity, and impact on redox homeostasis of the essential oils of *Orlaya grandiflora* from two localities. Serbian Biochemical Society Eleventh Conference, Amazing Biochemistry. Novi Sad, Serbia, September 22-23, Book of abstracts, p. 111. M34
4. Bjelica, V., Maričić, M., Anđelković, M., Golubović, A., Ajtić, R., Sterijovski, S., Arsovski, D., Tomović, Lj., Bonnet, X. 2022. A twist of fate: Conservation of Lake Prespa's iconic snakes. 6th Congress of Ecologists of the Republic of North Macedonia, with international participation, Ohrid, North Macedonia. Abstract book, 159.
5. Branković, S., Glišić, R., Đelić, G., Grbović, F., Rajičić, V., Marin, M., Vasić, M., Bogosavljević, J. Metal bioaccumulation and translocation potential of species *Phragmites australis* (Cav.) Trin. ex Steud on mine tailings rudnik DOO "Rudnik" (Republic of Serbia). 14th Symposium on the Flora of Southeastern Serbia and Neighboring Regions, Kladovo, 2022, p. 188.
6. Ćirković G, Ajtić R. (2022). Preliminary investigation of tadpoles' diet of species *Rana temporaria*, *Rana dalmatina*, *Bufo bufo* and *Bufo viridis* from different localities in Serbia and determination of presence of microplastics. 14<sup>th</sup> Symposium on the Flora of Southeastern Serbia and Neighboring Regions, Kladovo, Serbia. Abstract book, 208. ISBN: 978-86-6275-140-9
7. Đorđević N., Simić S., Simić V., Petrović A., Rakonjac A. (2022). Uticaj promena ekoloških faktora na pojavu cvetanja fitoplanktonskih cijanobakterija (Cyanobacteria). Treći kongres biologa Srbije, Zlatibor, Srbija, str. 128.
8. I.D. Radojević, K. Ćirković, M.Ž. Grujović, K. Mladenović, A. Ostojić (2022). Characterization of bacterial isolates from tailings pond wastewater. FEMS Conference on Microbiology in association with Serbian Society of Microbiology. 30 June - 2 July 2022 Serbia. Abstract book: 572-573.
9. Jovankić JV, Nikodijević DD, Milutinović MG, Radenković NM, Nikezić AG, Cvetković DM. Citotoksični efekat Simvastatina na MDA-MB-231 ćelijama karcinoma dojke. Treći Kongres biologa Srbije, Zlatibor, Srbija 21-25.9.2022. pp310. ISBN 978-86-81413-09-8.
10. Kanjevac M, Jakovljević D, Bojović B (2022). Wheat (*Triticum aestivum* L.) seed pre-sowing increasing resistance of seedlings to cold stress. 4<sup>th</sup> International Conference on Plant Biology (23<sup>rd</sup> SPPS Meeting). Abstract book, 82. ISBN 978-86-912591-6-7 (SPPS).
11. Kanjevac M, Jakovljević D, Ćirić A, Bojović B (2022). Changes in secondary metabolites content in wheat (*Triticum aestivum* L.) seedlings caused by seed priming and cold stress. 4<sup>th</sup> International Conference on Plant Biology (23<sup>rd</sup> SPPS Meeting). Abstract book, 34. ISBN 978-86-912591-6-7 (SPPS).
12. Kanjevac, M., Bojović, B., Jakovljević, D. Seed priming mediated germination improvement physiological performance of radish (*Raphanus sativus* L.) seedlings. 14th Symposium on the Flora of Southeastern Serbia and Neighboring Regions, Kladovo, 26th to 29th June, 2022.
13. Kosanić M, Petrović N, Stanojković T. Biomedicinski potencijal odabranih makromiceta. Treći kongres biologa Srbije, 21.09.-25.09. 2022. Zlatibor, Srbija. ISBN 978-86-81413-09-8

14. Matić M. Miloš, Obradović D. Ana, Paunović G. Milica, Milojević Sara, Milošević D. Marija, Ognjanović I. Branka (2022): Fiziološke uloge interleukina-6 u trofoblastima i patofiziološke implikacije. Treći kongres biologa Srbije, osnovna i primenjena istraživanja metodika nastave. Zlatibor, Srbija, Septembar 21-25, Knjiga sažetaka, p.354. ISBN: 978-86-81413-09-8 M34
15. Matić Miloš, Obradović Ana, Paunović Milica, Milojević Sara, Milošević Marija, Ognjanović Branka. Fiziološke uloge interleukina-6 u trofoblastima i patofiziološke implikacije. Treći kongres biologa Srbije, osnovna i primenjena istraživanja, metodika nastave. Zlatibor, Septembar 21-25, 2022. Knjiga sažetaka, p. 345.
16. Milošević Dj., Milosavljević A., Kostić T., Savić Zdravković D., Simović P., Radenković M., Medeiros A., Stojanović K., Predić B. (2022): The use of artificial intelligence to determine taxonomic classification of chironomid larvae. 21th Internacional Symposium on Chironomidae 4-7 July, Tsukuba, Japan, Book of Abstracts, 28 p.
17. Milošević, D. Marija, Mašković, Z. Pavle, Matić, M. Miloš, Paunović, G. Milica, Gavrić Jelena, Obradović D. Ana, Ognjanović, I. Branka (2022): Hepatoprotektivni potencijal ekstrakta lista imele (*Viscum album L.*) kod oštećenja jetre pacova indukovanim hlorspirifosom. Treći kongres biologa Srbije, osnovna i primenjena istraživanja metodika nastave. Zlatibor, Srbija, Septembar 21-25, Knjiga sažetaka, p.372. ISBN: 978-86-81413-09-8 M34
18. Nevena Đukić, Đorđe Minić, Aleksandra Torbica, Jovana Todosijević, Stefan Marković (2022): Activity of antioxidant enzymes of different varieties of cereals under conditions of heat stress. Proceedings, Serbian Biochemical Society Eleventh Conference „Amazing Biochemistry“. pp. 61
19. Nikodijević DD, Jovankić JV, Radenković NM, Cvetković DM, Milutinović MG. Uticaj otrova pčele na redoks ravnotežu u ćelijskim linijama karcinoma debelog creva. Treći Kongres biologa Srbije, 21-25.9.2022., str. 300, Zlatibor, Srbija. ISBN: 978-86-81413-09-8.
20. Paunović Milica, Matić Miloš, Obradović Ana, Milošević Marija, Jevtić Verica, Ognjanović Branka. Efekti resveratrola na redoks status eritrocita pacova tretiranih sa tetrahlorido(O,O'-dibutil-etilendiamin-N,N'-di-S,S-(2,2' dibenzil)acetat)-platina(IV) kompleksom. Treći kongres biologa Srbije, osnovna i primenjena istraživanja, metodika nastave. Zlatibor, Septembar 21-25, 2022. Knjiga sažetaka, p. 376.
21. Petrović A., Simović P., Đorđević N., Simić S., Simić V. (2022). Makrobeskičmenjaci kao biološki element u oceni ekološkog statusa reke Temštica. Treći kongres biologa Srbije, Zlatibor, Srbija, str. 123.
22. Petrović N, Kosanić M, Tosti T, Srblić I, Đurić A. Chemical characterization and bioactive properties of the honey fungus *Armillaria mellea* (Agaricomycetes) from Serbia. The 11th International Medicinal Mushroom Conference, 27.09.-30.09.2022. Belgrade, Serbia. Electronic abstract book.
23. Petrović N, Kosanić M. Bioaktivna svojstva metanolnog ekstrakta bazidiokarpa *Laetiporus sulphureus*. Treći kongres biologa Srbije, 21.09.-25.09. 2022. Zlatibor, Srbija. ISBN 978-86-81413-09-8
24. Planojević N, Obradović A, Milojević S, Vukić M, Vuković N, Matić M. Ispitivanje antitumorskog delovanja esencijalnog ulja crnog bibera (*Piper nigrum L.*) u ćelijama humanog hepatocelularnog karcinoma HepG2. Treći kongres biologa Srbije, 21-25.9.2022., str 381, Zlatibor, Srbija. ISBN: 978-86-81413-09-8.

25. Predojević D, Vukajlović F, petrović N, Kosanić M, Pešić S. Larvicidal efficacy, antifeedant activity and repellency of *Lactifluus piperatus* against *Plodia interpunctella* Hübner (Lepidoptera: Pyralidae). 15<sup>th</sup> Slovenian conference on plant protection with international participation, 1.-2. March, 2022. Portorož, Slovenia. ISBN: 978-961-93447-8-1
26. Rakonjac A., Đorđević N., Simić S. (2022). Korasta crvena alga *Hildenbrandia* u Srbiji. Treći kongres biologa Srbije, Zlatibor, Srbija, str. 223.
27. Savković, U., Đorđević, M., Budečević, S., Vljanić, L., Pešić, S., Vukajlović, F., Predojević, D., Mitrovski Bogdanović, A., Stojković, O., Stojković, B. (2022): Developmental plasticity and the potential of host shift in the seed beetle. Book of Abstracts of the Congress of the European Society for Evolutionary Biology, Prague, Czech Republic, August 14-19, 2022: 184.
28. Simić S., Petrović A., Djordjević N., Rakonjac A., Veličković T., Simović P., Simić V. (2022): The importance of detailed hydrobiological research of rivers for the detection and conservation of originally preserved habitats. International Conference Adriatic Biodiversity Protection - AdriBioPro2022 13-17 June 2022, Kotor, Montenegro, Book of Abstracts, 87 p.
29. Stefan Marković, Dragan Živančev, Daniela Horvat, Aleksandra Torbica, Nevena Đukić (2022): Elongation factor 1A, photosynthetic pigment content and yield in wheat under heat stress Књига сажетака уредници проф. др Мирослав Живић, др Бранка Петковић, ISBN 978-86-81413-09-8, 21-25.09.2022 Златибор, Србија, стр. 333.
30. Trakić, T. B., Stojanović, M. M., Sekulić, J. M. & Popović, F. J. 2022. Kišne gliste (Oligochaeta, Lumbricidae) na ionlog parka Tara. Kniga sažetaka, Treći kongres biologa Srbije. p. 132.
31. Veličković T., Radenković M., Djuretanović S., Milošković A., Petrović A., Nikolić M., Simić V. (2022). Status of *Salmo trutta* populations in some protected and unprotected areas in Serbia. International conference “Adriatic Biodiversity Protection - AdriBioPro2022”, Kotor, Montenegro; pp 84.
32. Vljanić, L., Savković, U., Stojković, B., Pešić, S., Vukajlović, F., Predojević, D., Mitrovski Bogdanović, A., Đorđević, M. (2022): Mitochondrial variant specifically impairs male fertility in seed beetle *Acanthoscelides obtectus*. Book of Abstracts of the Congress of the European Society for Evolutionary Biology, Prague, Czech Republic, August 14-19, 2022: 204
33. Бојовић Б (2022). STEM концепт наставе – интердисциплинарно учење науке. Трећи Конгрес биолога Србије, Златибор, Србија, 195. ISBN 978-86-81413-09-8.
34. Бојовић Б (2022). Прајминг семена – нови приступи, бенефити и перспективе код гајених биљака. Трећи Конгрес биолога Србије, Златибор, Србија, 32. ISBN 978-86-81413-09-8.
35. Бранковић С., Глишић, Р., Брковић, Д., Топузовић, Марина., Ђелић, Г., Грбовић, Ф., Рајичић, В., Марин, М., Васић, М., Богосављевић, Ј. (2022): Фитоакумулациони и транслокациони потенцијал за метале неких зељастих биљних врста на јаловишту флотације рудник ДОО „Рудник“ (Република Србија). Трећи конгрес биолога Србије, основна и примењена истраживања методика наставе. Књига сажетака, Златибор, Србија, 21–25. септембар, 2022, 80.
36. Вукајловић, Ф., Тот, И., Ђурић, М., Вујић, М., Илић, Н. (2022): Таксономска, биогеографска и конзервациона истраживања стрижибуба трибуса *Dorcadionini* (Coleoptera: Cerambycidae) у Србији. Трећи конгрес биолога Србије, [Књига сажетака](#), Златибор, Србија, 21–25. 9. 2022: 182. ISBN: 978-86-81413-09-8.

37. Грбовић, Ф., Гајић, Г., Бранковић, С., Симић, З., Вуковић, Н., Мишић, Д., Топузовић, М. (2022): Инвазивни потенцијал врсте *Amorpha fruticosa* L. на различитим стаништима: алелопатија и биогеохемија. Трећи конгрес биолога Србије, основна и примењена истраживања методика наставе. Књига сажетака, Златибор, Србија, 21–25. септембар, 2022, 133.
38. Ђукић Н., Минић Ђ., Тодосијевић Ј., Петровић М., Марковић С. (2022): Ензимска идентификација и својства фитинске киселине у семену овса. Књига сажетака уредници проф. др Мирослав Живић, др Бранка Петковић, ISBN 978-86-81413-09-8, 21-25.09.2022 Златибор, Србија, стр. 319
39. И.Д. Радојевић, А. Ђокић Остојић (2022). Унапређење наставничких компетенција увођењем иновација у наставу биологије употребом одабраних информатичких алата и веб ресурса. Трећи конгрес биолога Србије, основна и примењена истраживања методика наставе, Књига сажетака, Златибор, Србија, 21 – 25. 9. 2022. Српско биолошко друштво, Београд, 2022.
40. Јелена Терзић, Марина Станковић, Олгица Стафановић. Способност формирања биофилма бактерија *Staphylococcus aureus* и *Escherichia coli* под различитим експерименталним условима. Трећи конгрес биолога Србије, књига сажетака стр. 261, Златибор, Србија, 2022.
41. Кањевац М, Бојовић Б, Јаковљевић Д (2022). Ефекат прајминга семена у повећању отпорности клијанаца пшенице (*Triticum aestivum* L.) на услове хладног стреса. Трећи Конгрес биолога Србије, Златибор, Србија, 71. Књига сажетака, 71. ISBN 978-86-81413-09-8.
42. Марина Станковић, Јелена Терзић, Олгица Стефановић. Ефекат етанолног екстракта *Geranium robertianum* на раст патогених бактерија и механизми деловања. Трећи конгрес биолога Србије, књига сажетака стр. 267, Златибор, Србија, 2022
43. Митровски Богдановић, А., Бајкић, С. (2022): Морфометријска анализа предњих крила врста *Aphidius colemani*, *Aphidius sonchi* и *Aphidius urticae* (Hymenoptera: Braconidae: Aphidiinae). Трећи конгрес биолога Србије, [Књига сажетака](#), Златибор, Србија, 21–25. 9. 2022: 183. ISBN: 978-86-81413-09-8.
44. Павловић, М., Симић, З., Бранковић, С., Ђелић, Г. (2022): Акумулација тешких метала и утицај растварача за екстракцију на укупан садржај фенола, укупан садржај флавоноида и антиоксидативну активност *Echium vulgare*. Трећи конгрес биолога Србије, основна и примењена истраживања методика наставе. Књига сажетака, Златибор, Србија, 21 – 25. септембар 2022, 72.
45. Предојевић, Д., Пешић, С. (2022): Преглед истраживања биљних препарата у контроли и сузбијању бакренистог пламенца (*Plodia interpunctella*) (Lepidoptera: Pyralidae). Трећи конгрес биолога Србије, [Књига сажетака](#), Златибор, Србија, 21–25.09.2022: 118. ISBN: 978-86-81413-09-8.
46. Станковић М., Јаковљевић Д., Тодоровић М., Златић Н. (2022). Варијабилност састава етарског уља врсте *Teucrium scordium* L. (Lamiaceae). Трећи Конгрес биолога Србије, Златибор, Србија, 68. ISBN 978-86-81413-09-8.
47. Станковић М. (2022). Варијабилност секундарних метаболита биљака у односу на едафске услове станишта. Трећи Конгрес биолога Србије, Златибор, Србија, 36. ISBN 978-86-81413-09-8.

48. Ђирковић Г, Николић С, Симовић А, Ајтић Р. (2022). Прилог познавању батрахо и херпетофауне Парка природе „Голија“ и резервата биосфере „Голија-Студеница“. Трећи конгрес биолога Србије, Златибор, Србија, Abstract book, 178. ISBN: 978-86-81413-09-8.
49. M. Boričić Joksimović, N. Ikodinović and N. Stojanović, Soundness and completeness of a probabilized natural deduction system, 11th International Conference Logic and Applications LAP 2022, Dubrovnik, September 26 - 29, 2022.
50. Numerical Methods for Large Scale Problems - Dedicated to Professor Lothar Reichel on the Occasion of his 70th Anniversary (NMLSP 2022), June 6-10, 2022, Belgrade, Serbia, A.N. Jovanović, M.P. Stanić, T.V. Tomović Mladenović: Optimal sets of quadrature rules for trigonometric polynomials.
51. Numerical Methods for Large Scale Problems - Dedicated to Professor Lothar Reichel on the Occasion of his 70th Anniversary (NMLSP 2022), June 6-10, 2022, Belgrade, Serbia, N.Z. Petrović, M.P. Stanić, T.V. Tomović Mladenović: Anti-Gaussian quadrature rules for the optimal set of quadrature rules in Borges' sense.
52. Functional Analysis, Approximation Theory and Numerical Analysis (FAATNA 2022), Special Session Orthogonal Polynomials, Interpolation and Numerical Integration, July 5-8, 2022, Matera, Italy, M.P. Stanić, T.V. Tomović Mladenović, A.N. Jovanović: Optimal sets of quadrature rules in the Borges' sense for trigonometric polynomials.
53. The 16th International Symposium on Orthogonal Polynomials, Special Functions and Applications, Mini-symposium Multiple orthogonal polynomials and Hermite-Padé approximation, June 13-17, 2022, online, T.V. Tomović Mladenović: Application of multiple orthogonal polynomials for construction of the optimal set of quadrature rules in the sense of Borges.
54. B. Borovićanin, M. Jerotijević, Cospectrality of Smith graphs - an algorithmic approach, 7th International Conference, Contemporary Problems of Mathematics, Mechanics and Informatics (CPMMI 2022), June 06-08, 2022, Novi Pazar, Serbia.
55. B. Borovićanin, On the minimum Harary index of graphs with large parameters, Chemical Graph Theory Conference, Sombor, June 03-05, 2022, Sombor, Serbia.
56. Ukropina M., Glišić, R., Čakić-Milošević M. (2022). Sucrose-rich diet does not promote fibrosis in rat pancreas. Serbian Biochemical Society Eleventh Conference. “Amazing Biochemistry”. Scientific meeting of an international character. Novi Sad, September 22nd and 23rd, 2022. Proceedings, p. 151.
57. Ukropina M., Glišić, R., Čakić-Milošević M. (2022). Methimazole-induced hypothyroidism has no impact on pancreatic  $\beta$ -cell nuclear diameter. Serbian Biochemical Society Eleventh Conference. “Amazing Biochemistry”. Scientific meeting of an international character. Novi Sad, September 22nd and 23rd, 2022. Proceedings, p. 152.

## M51

1. Matić M., Obradović A., Paunović M., Milošević M., Milojević S., Planojević N., Ognjanović B., [The physiological role of interleukin-6 in the placenta and its pathological potential in pregnancy](#) (2022), Biologia Serbica 44 (1), pp. 52–57.

2. Popović F. J., Stojanović M. M., Sekulić J. M. & Trakić T. B., [Comparison of earthworm fauna in oak and spruce forests on the Western slope of Kopaonik Mountain in Serbia](#) (2022), *Biologia Serbica*, 44 (1).

## M52

1. A. Milenković, S. Aleksić, A. Saković, Stavovi nastavnika o realizaciji nastave matematike na daljinu i njihove navike o upotrebi različitih digitalnih resursa u nastavi, Zbornik radova Učiteljskog fakulteta u Prizrenu-Leposavić, 2022, broj 18/22, str. 99-111.

## M63

1. Sanja Lj. Matić, Nikola Srećković, Jelena S. Katanić Stanković, Vladimir Mihailović, [In vivo protektivni efekat ekstrakata biljke \*Lysimachia vulgaris\* na DNK oštećenja indukovana etil metansulfonatom](#), XXVII Savetovanje o biotehnologiji, 25–26. mart 2022. godine, Čačak, Srbija. Zbornik radova, 523-528. ISBN: 978-86-87611-86-3; COBISS.SR-ID 60661769.

## M64

1. Snežana R. Radisavljević, Snežana M. Jovanović, Ana S. Đeković-Kesić, Biljana V. Petrović, New dinuclear Au(III) complex: Synthesis, characterization and study of the interactions with DNA, Book of Abstracts of the 58th Meeting of the Serbian Chemical Society, Kragujevac, Serbia, 9–10 June 2022, NH-12.
2. Glišić, R., Čakić-Milošević, M., Ukropina, M., Stanković, V. (2022). Stereološka i imunohistohemijska analiza somatostatinskih (D) ćelija gastrointestinalne sluzokože pacova tretiranih deksametazonom. Treći kongres biologa Srbije, osnovna i primenjena istraživanja, metodika nastave. Zlatibor, 21–25. 9. 2022. Knjiga sažetaka, str. 385.
3. Branković, S., Glišić, R., Brković, D., Topuzović, M., Đelić, G., Grbović, Filip., Rajičić, V., Marin, M., Vasić, Marijana, Bogosavljević, J. Fitoakumulacioni i translokacioni potencijal za metale nekih zeljastih biljnih vrsta na jalovištu flotacije rudnik DOO „Rudnik“ (Republika Srbija). Treći kongres biologa Srbije, osnovna i primenjena istraživanja, metodika nastave. Zlatibor, 21–25.09.2022. Knjiga sažetaka, str. 80.

## M31–M33 (укупно: 14)

1. T. Maksimović, Lj. Joksović, J. Maksimović, P. Tančić, Z. Nedić, M. Pagnacco, The behavior of cerium doped phosphate tungsten bronze in Briggs-Rauscher oscillatory reaction, *Advanced Ceramics and Application X, New Frontiers in Multifunctional Material Science and Processing*.
2. Ana Obradović, Milena Vukić, Miloš Matić, Miroslava Kačániová, Nenad Vuković. Antitumor activity and impact on redox homeostasis of the essential oils of *Orlaya grandiflora*. Serbian Biochemical Eleventh Conference. September 22nd and 23rd, 2022, Novi Sad, Serbia. 2022., p.111 ISBN 978-86-7220-124-6 (FOC)
3. Nikola Srećković, Nevena Mihailović, Vladimir Mihailović. *Lysimachia vulgaris* L. aerial part and root methanol extracts as potential  $\alpha$ -amylase and  $\alpha$ -glucosidase inhibitors. 70<sup>th</sup> International

congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA). Thessaloniki Concert Hall, Thessaloniki, Greece, August 28–31, 2022. p. 391.

4. Nikola Srećković, Danijela Mišić, Uroš Gašić, Vladimir Mihailović. Bioaccessibility of *Salvia pratensis* L. phenolic compounds during in vitro gastrointestinal digestion. 70<sup>th</sup> International congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA). Thessaloniki Concert Hall, Thessaloniki, Greece, August 28–31, 2022. p. 390.
5. Nikola Srećković, Danijela Mišić, Uroš Gašić, Daria Maria Monti, Davide Liberti, Vladimir Mihailović. LC/MC phenolic characterization and cytotoxic activity of *Pulmonaria officinalis* L. methanolic extract. Serbian Biochemical Society Eleven Conference “Amazing Biochemistry”, Novi Sad, Serbia, September 22–23, 2022. p. 136.
6. Srećković N, Katanić Stanković J, Mihailović V, Matić S, In vitro protective potential of the *Lunaria annua* L. aerial part and root extracts against DNA oxidative damage. 14th Symposium on the flora of southeaster Serbia and neighbouring regions is held from 26th to 29th June 2022 at Kladovo. ISBN 978-86-6275-140-9 (FSM), COBISS.SR-ID 68500489
7. Srećković N, Katanić Stanković J, Mihailović V, Matić S, Do *Lysimachia vulgaris* methanol extracts have a DNA protective potential against oxidative damage? 14th Symposium on the flora of southeaster Serbia and neighbouring regions is held from 26th to 29th June 2022 at Kladovo. ISBN 978-86-6275-140-9 (FSM), COBISS.SR-ID 68500489
8. M. Radović Jakovljević, J. Tubić Vukajlović, A. Marković, G. Đelić, Z. Simić, M. Pavlović, K. Virijejić, D. Grujičić, O. Milošević-Djordjević, In vitro evaluation genotoxic activity of methanolic extracts *Onobrichys viciifolia* plant, 10<sup>th</sup> Jubilee International Conference on Radiation in Various Fields of Research. Montenegro, from 13<sup>th</sup> to 17<sup>th</sup> of June, (2022), apstrakt RAD<sub>10</sub>-Spring-119.
9. N. Proos Vedin, S. Escayola, S. Radenković, M. Solà, H. Ottosson, The lowest  $n\pi^*$  states of common heteroaromatics: When and in what way are they aromatic? CECP - Central European Conference on Photochemistry, 2022, Bad Hofgastein, Austria.
10. N. Proos Vedin, S. Escayola, S. Radenković, M. Solà, H. Ottosson, The lowest  $n\pi^*$  states of common heteroaromatics: When and in what way are they aromatic? ICPOC 25–25<sup>th</sup> IUPAC International Conference on Physical Organic Chemistry, 2022, Hiroshima, Japan.
11. S. Radenković, S. Đorđević, Effect of benzo-annulation on local aromaticity: to what extent do different aspects of aromaticity agree? MAGIC 2022 - The 4<sup>th</sup> workshop on Magnetically Induced Currents in molecules, 2022, Cambridge, Peterhouse, UK.
12. S. Đorđević, M. Solà, S. Radenković, Disk aromaticity in singlet and triplet boron clusters. A current density point of view, MAGIC 2022 - The 4<sup>th</sup> workshop on Magnetically Induced Currents in molecules, 2022, Cambridge, Peterhouse, UK.
13. D. P. Ašanin, M. Nenadovic, T. P. Andrejevic, S. Vojnovic, M. I. Djuran and B. Đ. Glišić, Antimicrobial activity and DNA/BSA binding affinities of silver(I) and gold(III) complexes with 1,6-naphthyridine, 8<sup>th</sup> International Electronic Conference on Medicinal Chemistry, session Small molecules as drug candidates, November 1–30, 2022, <https://doi.org/10.3390/ECMC2022-13248>.
14. N. Lj. Stevanović, J. Lazić, J. Kljun, M. Stanković, J. Nikodinovic-Runic, I. Turel, M. I. Djuran and B. Đ. Glišić, Silver(I) complexes with clinically used azoles: synthesis, structural characterization and antimicrobial evaluation, 8<sup>th</sup> International Electronic Conference on

Medicinal Chemistry, session Small molecules as drug candidates, November 1–30, 2022,  
<https://doi.org/10.3390/ECMC2022-13249>



# 2023

## M21a (укупно: 8)

1. Yi W., Xuan L., Zakaly H.M.H., Markovic V., Miszczyk J., Guan H., Zhou P.-K., Huang R., [Association between per- and polyfluoroalkyl substances \(PFAS\) and depression in U.S. adults: A cross-sectional study of NHANES from 2005 to 2018](#) (2023), Environmental Research 238, art. no. 117188.
2. Mladenović M., Astolfi R., Tomašević N., Matić S., Božović M., Sapienza F., Ragno R., [In Vitro Antioxidant and In Vivo Antigenotoxic Features of a Series of 61 Essential Oils and Quantitative Composition–Activity Relationships Modeled through Machine Learning Algorithms](#) (2023), Antioxidants 12 (10), art. no. 1815.
3. Hayat S., Arshad M., Gutman I., [Proofs to Some Open Problems on the Maximum Sombor Index of Graphs](#) (2023), Computational and Applied Mathematics 42 (6), art. no. 279.
4. Fioravanti R., Proia E., Tyurenkov I.N., Kurkin D.V., Bakulin D.A., Kovalev N.S., Sheikin D.S., Kirillov I.A., Nawrozkij M.B., Vernigora A.A., Brunilina L.L., Fiorentino F., Mladenović M., Rotili D., Ragno R., [Pyrimidine thioethers: A novel class of antidepressant agents, endowed with anxiolytic, performance enhancing and nootropic activity](#) (2023), European Journal of Medicinal Chemistry 245, art. no. 114902.
5. Spasojević D., Janičević S. [Disordered ferromagnetic systems with stochastic driving](#) (2023), Chaos, Solitons and Fractals 169, art. no. 113327.
6. Moussaoui A., Todorčević V., Pantović M., Radenović S., Melliani S., [Fixed Point Results via G-Transitive Binary Relation and Fuzzy L-R-Contraction](#) (2023), Mathematics 11 (8), art. no. 1768.
7. Milanovic, Dimić D., Antonijević M., Žižić M., Milenković D., Avdović E., Marković Z., [Influence of acid-base equilibria on the rate of the chemical reaction in the advanced oxidation processes: Coumarin derivatives and hydroxyl radical](#) (2023), Chemical Engineering Journal 453, art. no. 139648.
8. Živković M., Shahmohammadi Beni M., Yu P.K.N., Watabe H., Krstić D., Nikezić D., [A dosimetric comparison between ICRP and ORNL phantoms from exposure to <sup>137</sup>Cs contaminated soil](#) (2023), Radiation Physics and Chemistry 207, art. no. 110878.

## M21

1. Petrović V.M., Delibašić Marković H.S., Petrović I.D., [Ionization rate in an elliptically polarized laser field with respect to momentum at the tunneling exit point for noble atoms](#) (2023), Results in Physics 53, art. no. 107005.
2. Petrović V., Delibašić Marković H., Petrović I., [Coulomb corrected nonadiabatic instantaneous ionization rate and the electron trajectory in an elliptically polarized laser field](#) (2023), Results in Physics 51, art. no. 106718.

3. Savović S., Simović A., Drljača B., Kovačević M.S., Kuzmanović L., Ivanović M., Djordjevich A., Aidinis K., Tosi D., Min R., [High bandwidth performance of multimode graded-index microstructured polymer optical fibers](#) (2023), Results in Physics 50, art. no. 106548.
4. Milanović Ž., Dimić D., Klein E., Biela M., Lukeš V., Žižić M., Avdović E., Bešlo D., Vojinović R., Dimitrić Marković J., Marković Z., [Degradation Mechanisms of 4,7-Dihydroxycoumarin Derivatives in Advanced Oxidation Processes: Experimental and Kinetic DFT Study](#) (2023), International Journal of Environmental Research and Public Health 20 (3), art. no. 2046.
5. Međedović M., Mijatović A., Baošić R., Lazić D., Milanović, Marković Z., Milovanović J., Arsenijević D., Stojanović B., Arsenijević M., Milovanović M., Petrović B., Simović A.R., [Synthesis, characterization, biomolecular interactions, molecular docking, and in vitro and in vivo anticancer activities of novel ruthenium\(III\) Schiff base complexes](#) (2023), Journal of Inorganic Biochemistry 248, art. no. 112363.
6. Mijatović A., Gligorijević N., Čočić D., Spasić S., Lolić A., Arandjelović S., Nikolić M., Baošić R., [In vitro and in silico study of the biological activity of tetradentate Schiff base copper\(II\) complexes with ethylenediamine-bridge](#) (2023), Journal of Inorganic Biochemistry 244, art. no. 112224.
7. Petrović Đ.S., Jovičić Milić S.S., Đukić M.B., Radojević I.D., Jurišević M.M., Gajović N.M., Petrović A., Arsenijević N.N., Jovanović I.P., Avdović E., Stojković D.L., Jevtić V.V., [Synthesis, characterization, HSA binding, molecular docking, cytotoxicity study, and antimicrobial activity of new palladium\(II\) complexes with propylenediamine derivatives of phenylalanine](#) (2023), Journal of Inorganic Biochemistry 246, art. no. 112283.
8. Soldatović T.V., Šmit B., Mrkalić E.M., Matić S.L., Jelić R.M., Serafinović M.Ć., Gligorijević N., Čavić M., Arandjelović S., Grgurić-Šipka S., [Exploring heterometallic bridged Pt\(II\)-Zn\(II\) complexes as potential antitumor agents](#) (2023), Journal of Inorganic Biochemistry 240, art. no. 112100.
9. Savović S., Simović A., Drljača B., Kovačević M.S., Kuzmanović Lj., Djordjevich A., Aidinis K., Min R., [Correction to: Power Flow in Multimode Graded-Index Microstructured Polymer Optical Fibers](#) (2023), Polymers 15 (11), art. no. 2553.
10. Savović S., Simović A., Drljača B., Kovačević M.S., Kuzmanović Lj., Djordjevich A., Aidinis K., Min R., [Power Flow in Multimode Graded-Index Microstructured Polymer Optical Fibers](#) (2023), Polymers 15 (6), art. no. 1474.
11. Mijatović A., Čaković A.Z., Lolić A., Klisurić O., Živanović M.N., Šeklić D.S., Sretenović S., Ilić M., Bogojeski J., [Structure, interaction with biomolecules, and cytotoxicity of copper \(II\) complexes chelating some Schiff base ligands](#) (2023), Applied Organometallic Chemistry 37 (11), art. no. e7253.
12. Radisavljević S., Kesić A., Čočić D., Marković V., Milovanović J., Petrović B., Simović A.R., New gold(III) chlorophenyl terpyridine complex: [Biomolecular interactions and anticancer activity against human oral squamous cell carcinoma](#) (2023), Applied Organometallic Chemistry 37 (1), art. no. e6922.
13. Maksimović T., Tančić P., Maksimović J., Mara D., Ilić M., Van Deun R., Joksović L., Pagnacco M., [Novel cerium and praseodymium doped phosphate tungsten bronzes: Synthesis, characterization, the behavior in the Briggs-Rauscher reaction and photoluminescence properties](#) (2023), Optical Materials 143, art. no. 114125.

14. Warchoł M., Skrzypek E., Juzoń-Sikora K., Jakovljević D., [Oat \(\*Avena sativa\* L.\) In Vitro Cultures: Prospects and Challenges for Breeding](#) (2023), *Agronomy* 13 (10), art. no. 2604.
15. Kaplarević-Mališić A., Andrijević B., Bojović F., Nikolić S., Krstić L., Stojanović B., Ivanović M., [Identifying optimal architectures of physics-informed neural networks by evolutionary strategy](#) (2023), *Applied Soft Computing* 146, art. no. 110646.
16. Jeremic M.Z., Matovic M.D., Mijatovic N.R., Pantovic S.B., Krstic D.Z., Miladinovic T.B., Nikezic D.R., [Radioactivity of biological samples of patients treated with 90Y-DOTATOC](#) (2023), *Nuclear Engineering and Technology* 55 (10), pp. 3815–3821.
17. Dimitrijević J.D., Solovjova N., Bukonjić A.M., Tomović D.L., Milinkovic M., Caković A., Bogojeski J., Ratković Z.R., Janjić G.V., Rakić A.A., Arsenijevic N.N., Milovanovic M.Z., Milovanovic J.Z., Radić G.P., Jevtić V.V., [Docking Studies, Cytotoxicity Evaluation and Interactions of Binuclear Copper\(II\) Complexes with S-Isoalkyl Derivatives of Thiosalicylic Acid with Some Relevant Biomolecules](#) (2023), *International Journal of Molecular Sciences* 24 (15), art. no. 12504.
18. Jevtovic V., Alhar M.S.O., Milenković D., Marković Z., Dimitrić Marković J., Dimić D., [Synthesis, Structural Characterization, Cytotoxicity, and Protein/DNA Binding Properties of Pyridoxylidene-Aminoguanidine-Metal \(Fe, Co, Zn, Cu\) Complexes](#) (2023), *International Journal of Molecular Sciences* 24 (19), art. no. 14745.
19. Kačániová M., Vukovic N.L., Čmiková N., Galovičová L., Schwarzová M., Šimora V., Kowalczewski P.Ł., Kluz M.I., Puchalski C., Bakay L., Vukic M.D., [Salvia sclarea Essential Oil Chemical Composition and Biological Activities](#) (2023), *International Journal of Molecular Sciences* 24 (6), art. no. 5179.
20. Vukić M.D., Čmiková N., Hsouna A.B., Saad R.B., Garzoli S., Schwarzová M., Vuković N.L., Obradović A.D., Matić M.M., Waszkiewicz-Robak B., Kluz M.I., Kačániová M., [Thymus zygis, Valuable Antimicrobial \(In Vitro and In Situ\) and Antibiofilm Agent with Potential Antiproliferative Effects](#) (2023), *Plants* 12 (23), art. no. 3920.
21. Zlatić N., Budečević S., Stanković M., [Geological Substrate Effects on \*Teucrium montanum\* L. \(Lamiaceae\) Morphological Traits: Geometric Morphometrics Approach](#) (2023), *Plants* 12 (12), art. no. 2381.
22. Galovičová L., Čmiková N., Schwarzová M., Vukic M.D., Vukovic N.L., Kowalczewski P.Ł., Bakay L., Kluz M.I., Puchalski C., Obradovic A.D., Matić M.M., Kačániová M., [Biological Activity of \*Cupressus sempervirens\* Essential Oil](#) (2023), *Plants* 12 (5), art. no. 1097.
23. Stanković M., Stojanović-Radić Z., Jakovljević D., Zlatić N., Luković M., Dajić-Stevanović Z., [Coastal Halophytes: Potent Source of Bioactive Molecules from Saline Environment](#) (2023), *Plants* 12 (9), art. no. 1857.
24. Stanković M., [10th Anniversary of Plants - Recent Advances and Further Perspectives](#) (2023), *Plants* 12 (8), art. no. 1696.
25. Čmiková N., Galovičová L., Schwarzová M., Vukic M.D., Vukovic N.L., Kowalczewski P.Ł., Bakay L., Kluz M.I., Puchalski C., Kačániová M., [Chemical Composition and Biological Activities of \*Eucalyptus globulus\* Essential Oil](#) (2023), *Plants* 12 (5), art. no. 1076.

26. Blagojević S., Andrić B., Jovankić J., Milutinović M., Nikodijević D., Arsenijević P., Cvetković D., [MicroRNA expression as a diagnostic parameter in early endometrial cancer](#) (2023) International Journal of Gynecological Cancer 33 (9), pp. 1394–1401.
27. Blagojević S., Milutinović M., Cvetković D., [Response to: Correspondence on 'MicroRNA expression as a diagnostic parameter in early endometrial cancer' by Coada et al](#) (2023), International Journal of Gynecological Cancer XX, art. no. 005179.
28. Radenković S., Solà M., [Aromaticity of Osmaacenes in Their Lowest-Lying Singlet and Triplet States](#) (2023), Inorganic Chemistry 62 (24), pp. 9578–9588.
29. Xuan L., Wang Y., Qu C., Yan Y., Yi W., Yang J., Skonieczna M., Chen C., Miszczyk J., Ivanov D.S., Zakaly H.M.H., Markovic V., Huang R., [Metabolomics reveals that PS-NPs promote lung injury by regulating prostaglandin B1 through the cGAS-STING pathway](#) (2023), Chemosphere 342, art. no. 140108.
30. Vasiljević J., Feuerhake F., Wemmert C., Lampert T., [HistoStarGAN: A unified approach to stain normalisation, stain transfer and stain invariant segmentation in renal histopathology](#) (2023), Knowledge-Based Systems 277, art. no. 110780.
31. Stajic J.M., Nikic B., Gulan L., Zivkovic M., Radonjic S., Nikezic D. [Estimation of radon emanation power: a comparison of different methods](#) (2023), Air Quality, Atmosphere and Health 16 (10), pp. 2053–2061.
32. Polaczek J., Kieca K., Oszejca M., Impert O., Katafias A., Chatterjee D., Čočić D., Puchta R., Stochel G., Hubbard C.D., van Eldik R., [A Personal Account on Inorganic Reaction Mechanisms](#) (2023), Chemical Record 23 (12), art. no. e202300278.
33. Obrenović M., Lampert T., Ivanović M., Gančarski P., [Learning domain invariant representations of heterogeneous image data](#) (2023), Machine Learning 112 (10), pp. 3659–3684.
34. Yu K.N., Watabe H., Zivkovic M., Krstic D., Nikezic D., Kim K.M., Yamaya T., Kawachi N., Tanaka H., Haque A.K.F., Shahmohammadi Beni M., [DynamicMC: An Open-source GUI Program Coupled with MCNP for Modeling Relative Dynamic Movement of Radioactive Source and ORNL Phantom in a 3-dimensional Radiation Field](#) (2023), Health Physics 124 (4), pp. 301–309.
35. Vuković S., Popović-Djordjević J.B., Kostić A.Ž., Pantelić N.D., Srećković N., Akram M., Laila U., Katanić Stanković J.S., [Allium Species in the Balkan Region - Major Metabolites, Antioxidant and Antimicrobial Properties](#) (2023), Horticulturae 9 (3), art. no. 408.
36. Borotová P., Čmíková N., Galovičová L., Vukovic N.L., Vukic M.D., Tvrda E., Kowalczewski P.Ł., Kluz M.I., Puchalski C., Schwarzová M., Bakay L., Kačániová M., [Antioxidant, Antimicrobial, and Anti-Insect Properties of Boswellia carterii Essential Oil for Food Preservation Improvement](#) (2023), Horticulturae 9 (3), art. no. 333.
37. Jovankić J.V., Nikodijević D.D., Milutinović M.G., Nikezić A.G., Kojić V.V., Cvetković A.M., Cvetković D.M., [Potential of Orlistat to induce apoptotic and antiangiogenic effects as well as inhibition of fatty acid synthesis in breast cancer cells](#) (2023), European Journal of Pharmacology 939, art. no. 175456.

38. Andrejević T.P., Ašanin D.P., Pantović B.V., Stevanović N.L., Marković V.R., Djuran M.I., Glišić B.Đ., [Metal complexes with valuable biomolecules produced by \*Pseudomonas aeruginosa\*: a review of the coordination properties of pyocyanin, pyochelin and pyoverdines](#) (2023), *Dalton Transactions*, 52 (14), pp. 4276–4289.
39. Buchner M.R., Čočić D., Ivlev S.I., Spang N., Müller M., Puchta R., [Ligand exchange at tetra-coordinated beryllium centres](#) (2023), *Dalton Transactions* 52 (16), pp. 5287–5296.
40. Bukhari S.N.A., Abdelgawad M.A., Ahmed N., Amjad M.W., Hussain M.A., Elsherif M.A., Ejaz H., Alotaibi N.H., Filipović I., Janković N., [Synthesis, Characterization, and Biological Evaluation of Meldrum's Acid Derivatives: Dual Activity and Molecular Docking Study](#) (2023), *Pharmaceuticals*, 16 (2), art. no. 281.
41. Avdović E.H., Antonijević M., Simijonović D., Roca S., Topić D.V., Grozdanić N., Stanojković T., Radojević I., Vojinović R., Marković Z., [Synthesis and Cytotoxicity Evaluation of Novel Coumarin–Palladium\(II\) Complexes against Human Cancer Cell Lines](#) (2023), *Pharmaceuticals* 16 (1), art. no. 49.
42. Petrović M.M., Roschger C., Lang K., Zierer A., Mladenović M., Trifunović S., Mandić B., Joksović M.D., [Synthesis and biological evaluation of new quinoline-4-carboxylic acid-chalcone hybrids as dihydroorotate dehydrogenase inhibitors](#) (2023), *Archiv der Pharmazie* 356 (2), art. no. 2200374.
43. Božović M., Mladenović M., Ragno R., [Editorial: Chemical composition and antimicrobial activity of essential oils](#) (2023), *Frontiers in Pharmacology* 14, art. no. 1120756.
44. Milošević-Zlatanović S., Vukov T., Chovancová G., Anderwald P., Corlatti L., Tomašević Kolarov N., [Cranial integration and modularity in chamois: The effects of subspecies and sex](#) (2023), *Journal of Mammalian Evolution* 30 (1), pp. 269–280.
45. Zornić S., Simović Marković B., Franich A.A., Janjić G.V., Jadranin M.B., Avdalović J., Rajković S., Živković M.D., Arsenijević N.N., Radosavljević G.D., Pantić J., [Characterization, modes of interactions with DNA/BSA biomolecules and anti-tumor activity of newly synthesized dinuclear platinum\(II\) complexes with pyridazine bridging ligand](#) (2023), *Journal of Biological Inorganic Chemistry*...
46. Milošković A., Simić V., [Bioaccumulation of potentially toxic elements in fish species of Serbia: a review](#) (2023), *Environmental Science and Pollution Research* 30 (12), pp. 32255–32277.
47. Spasojević D., Mijatović S., Janičević S., [Dimensional crossover in driving-rate induced criticality on the hysteresis-loop of disordered ferromagnetic systems](#) (2023), *Journal of Statistical Mechanics: Theory and Experiment* 2023 (3), art. no. 033210.
48. Ghalavand A., Gutman I., Tavakoli M., [Irregularity Measure of Graphs](#) (2023), *Journal of Mathematics* 2023, art. no. 4891183.
49. Kanjevac M., Bojović B., Ćirić A., Stanković M., Jakovljević D., [Seed Priming Improves Biochemical and Physiological Performance of Wheat Seedlings under Low-Temperature Conditions](#) (2023), *Agriculture (Switzerland)* 13 (1), art. no. 2.
50. Stanić M.P., Tomović Mladenović T.V., Jovanović A.N., [Quadrature rules of Gaussian type for trigonometric polynomials with preassigned nodes](#) (2023), *Applied Numerical Mathematics*...

51. Veličković T., Snoj A., Simić V., Šanda R., Vukić J., Barcytė D., Stanković D., Marić S., [A new perspective on the molecular dating of the brown trout complex with an extended phylogeographic information on the species in Serbia](#) (2023), Contributions to Zoology 92 (4), pp. 362–389.
52. Ali A., Gutman I., Redžepovic I., Albalahi A.M., Raza Z., Hamza A.E., [Symmetric Division Deg Index: Extremal Results and Bounds](#) (2023), Match 90 (2), pp. 263–299.
53. Dorjsembe S., Buyantogtokh L., Gutman I., Horoldagva B., Réti T., [Irregularity of Graphs](#) (2023), Match 89 (2), pp. 371–388.
54. Selakovic D., Ali D., Eftekhari A., Jovicic N., Rosic G.L., [Editorial: Iatrogenic neurotoxicity - Mechanisms, prevention, and treatment](#) (2023), Frontiers in Neuroscience 17, art. no. 1184317.

## M22

1. Tomašević N., Vujović M., Kostić E., Ragavendran V., Arsić B., Matić S.L., Božović M., Fioravanti R., Proia E., Ragno R., Mladenović M., [Molecular Docking Assessment of Cathinones as 5-HT2AR Ligands: Developing of Predictive Structure-Based Bioactive Conformations and Three-Dimensional Structure-Activity Relationships Models for Future Recognition of Abuse Drugs](#) (2023), Molecules 28 (17), art. no. 6236.
2. Weinert C., Čočić D., Puchta R., van Eldik R., [Selective Noble Gas Inclusion in Pentagon-Dodecahedral X20-Cages](#) (2023), Molecules 28 (15), art. no. 5676.
3. Tadić V., Božović M., Sapienza F., Astolfi R., Mladenović M., Zaka M.C., Del Bove F., Borzacchi F., Frascchetti C., Rossi C., Vertuani S., Baldisserotto A., Manfredini S., Ragno R., [Chemical Composition and Anti-Candida Activity of Mentha suaveolens Ehrh. Essential Oils Obtained by Different Distillation Processes](#) (2023), Molecules 28 (19), art. no. 6934.
4. Srećković N.Z., Nedić Z.P., Monti D.M., D'Elia L., Dimitrijević S.B., Mihailović N.R., Katanić Stanković J.S., Mihailović V.B., [Biosynthesis of Silver Nanoparticles Using Salvia pratensis L. Aerial Part and Root Extracts: Bioactivity, Biocompatibility, and Catalytic Potential](#) (2023), Molecules 28 (3), art. no. 1387.
5. Mihailović V., Srećković N., Nedić Z.P., Dimitrijević S., Matić M., Obradović A., Selaković D., Rosić G., Katanić Stanković J.S., [Green Synthesis of Silver Nanoparticles Using Salvia verticillata and Filipendula ulmaria Extracts: Optimization of Synthesis, Biological Activities, and Catalytic Properties](#) (2023), Molecules 28 (2), art. no. 808.
6. Fominykh S., Stankovski S., Markovic V.M., Petrovic D., Osmanović S., [Analysis of CO2 Migration in Horizontal Saline Aquifers during Carbon Capture and Storage Process](#) (2023), Sustainability (Switzerland) 15 (11), art. no. 8912.
7. Faj D., Bassinet C., Brkić H., De Monte F., Dreuil S., Dupont L., Ferrari P., Gallagher A., Gallo L., Huet C., Knezevic, Kralik I., Krstić D., Maccia C., Majer M., Malchair F., O'Connor U., Pankowski P., Sans Merce M., Sage J., Simantirakis G., [Management of pregnant or potentially pregnant patients undergoing diagnostic and interventional radiology procedures: Investigation of clinical routine practice](#) (2023), Physica Medica 115, art. no. 103159.
8. Marjanović J.S., Čočić D., Petrović N., Kosanić M., Kostić M.D., Divac V.M., [Histamine derived Schiff bases and corresponding spinaceamines - synthesis, characterization and biological evaluation](#) (2023), Journal of Molecular Structure 1290, art. no. 135926.

9. Konovalov B., Đorđević I.S., Franich A.A., Šmit B., Živković M.D., Djuran M.I., Janjić G.V., Rajković S., [Dinuclear platinum\(II\) complexes with 1,5-nphe bridging ligand: Spectroscopic and molecular docking study of the interactions with N-acetylated L-methionylglycine and human serum albumin](#) (2023), *Journal of Molecular Structure* 1288, art. no. 135810.
10. Redžepović I., Furtula B., [Chemical similarity of molecules with physiological response](#) (2023), *Molecular Diversity* 27 (4), pp. 1603–1612.
11. Mihajlović K., Joksimović N., Janković N., Milović E., Petronijević J., Filipović I., Muškinja J., Petrović N., Kosanić M., [Synthesis, characterization, and biological activity of some 2,4-diketo esters containing dehydrozingerone fragment: DNA and protein binding study](#) (2023), *Bioorganic and Medicinal Chemistry Letters* 93, art. no. 129413.
12. Radojević I.D., Jakovljević V.D., Ostojić A.M., [A mini-review on indigenous microbial biofilm from various wastewater for heavy-metal removal - new trends](#) (2023), *World Journal of Microbiology and Biotechnology* 39 (11), art. no. 309.
13. Jain S., Danovich D., Radenković S., Shaik S., [Dichotomy of Delocalization/Localization and Charge-Shift Bonding in Germanazene and its Heavier Group 14 Analogues: a Valence Bond Study](#) (2023), *Chemistry - A European Journal* 29 (36), art. no. e202300992.
14. Postolović K., Stanić Z., [Chitosan/TiO<sub>2</sub> nanoparticles modified carbon paste electrode as a sensitive voltammetric sensor for the determination of diclofenac sodium as an anti-inflammatory drug](#) (2023), *Materials Today Communications* 37, art. no. 107416.
15. Jovanović M.M., Marković K.G., Grujović M.Ž., Pavić J., Mitić M., Nikolić J., Šeklić D., [Anticancer assessment and antibiofilm potential of \*Laetiporus sulphureus\* mushroom originated from Serbia](#) (2023), *Food Science and Nutrition* 11 (10), pp. 6393–6402.
16. Ašanin D.P., Andrejević T.P., Nenadović M., Rodić M.V., Vojnović S., Djuran M.I., Glišić B.Đ., [Comparative study of antimicrobial potential and DNA/BSA binding affinity of silver\(I\) and gold\(III\) coordination compounds with 1,6-naphthyridine](#) (2023), *Polyhedron* 244, art. no. 116585.
17. Aldossari S.M., Rehman L.U., Ahmad I., Aslam M., Fozia F., Mohany M., Milošević M., Al-Rejaie S.S., Aboul-Soud M.A.M., [Phytosynthesized Iron Oxide Nanoparticles Using Aqueous Extract of \*Saccharum arundinaceum\* \(Hardy Sugar Cane\), Their Characterizations, Antigliycation, and Cytotoxic Activities](#) (2023), *ACS Omega* 8 (44), pp. 41214–41222.
18. Tomović J., Simić V., Petrović A., Atanacković A., Zorić K., Paunović M., Raković M., [Distribution Range of the Endangered Species \*Unio crassus\* Philipsson, 1788 in Serbia \(Western Balkans Region\), Historical and Recent Data](#) (2023), *Water (Switzerland)* 15 (24), art. no. 4248.
19. Milivojević Danas M., [The difference between several metric dimension graph invariants](#) (2023), *Discrete Applied Mathematics* 332, pp. 1–6.
20. Wei P., Liu M., Gutman I., [On \(exponential\) bond incident degree indices of graphs](#) (2023), *Discrete Applied Mathematics* 336, pp. 141–147.
21. Ghozali M.T., Mohany M., Milošević M., Satibi, Kurniawan M., [Impact of a mobile-app assisted self-management educational intervention on the scores of asthma control test \(ACT\) questionnaire among young asthmatic patients](#) (2023), *Research in Social and Administrative Pharmacy* 19 (10), pp. 1354–1359.

22. Dai W., Savović S., Zhao C., Shao R., Min R., [Theoretical and experimental investigation of the steady-state power distribution in multimode step-index plastic optical fibers](#) (2023), *Optical Fiber Technology* 81, art. no. 103531.
23. Andrejević T.P., Aleksic I., Kljun J., Počkaj M., Zlatar M., Vojnovic S., Nikodinovic-Runic J., Turel I., Djuran M.I., Glišić B.Đ., [Copper\(ii\) and silver\(i\) complexes with dimethyl 6-\(pyrazine-2-yl\)pyridine-3,4-dicarboxylate \(py-2pz\): the influence of the metal ion on the antimicrobial potential of the complex](#) (2023), *RSC Advances* 13 (7), pp. 4376–4393.
24. Janković N., Tadić J., Milović E., Marković Z., Jeremić S., Petronijević J., Joksimović N., Borović T.T., Abbas Bukhari S.N., [Investigation of the radical scavenging potential of vanillin-based pyrido-dipyrimidines: experimental and in silico approach](#) (2023), *RSC Advances* 13 (22), pp. 15236–15242.
25. Branković J., Milovanović V.M., Petrović Z.D., Simijonović D., Petrović V.P., [Pyrazolone-type compounds \(part II\): in vitro and in silico evaluation of antioxidant potential; structure-activity relationship](#) (2023), *RSC Advances* 13 (5), pp. 2884–2895.
26. Tubić Vukajlović J., Simić I., Smiljanić Z., Grujičić D., Milošević-Djordjević O., [Genome instability in peripheral blood lymphocytes of patients with heart failure and reduced ejection fraction](#) (2023), *Mutagenesis* 38 (2), pp. 84–92.
27. Dimitrijević M.G., Bogdanović G.A., Trifunović S., Joksović M.D., [Rapid access to pyrrolo\[3,4-c\]quinoline-1,3-diones: An improved synthetic protocol using a precursor prepared by Pfitzinger reaction](#) (2023), *Tetrahedron* 132, art. no. 133236.
28. Kosanić M., Ranković B., Stanojković T., Vasiljević P., Kočović A., Manojlović A., Anđić M., Bradić J., Jakovljević V., Manojlović N., [Phytochemical composition, biological activity and anti-inflammatory potential of acetone extract from the lichen \*Platismatia glauca\* \(L.\) W.L. Culb. & C.F. Culb](#) (2023), *Natural Product Research...*
29. Mihajlović K., Joksimović N., Petronijević J., Filipović I., Janković N., Milović E., Popovic S., Matic S., Baskic D., [Anticancer potential of some  \$\beta\$ -diketonates: DNA interactions, protein binding properties, and molecular docking study](#) (2023), *Natural Product Research* 37 (18), pp. 3191–3197.
30. Radenković S., Đorđević S., [Effect of benzo-annulation on magnetically induced current density](#) (2023), *Chemical Physics Letters* 815, art. no. 140370.
31. Petrović N., Tosti T., Srbljak I., Đurić A., Kosanić M., [Biochemical characterization and bioactivity of methanolic and acetic extracts of \*Laetiporus sulphureus\* basidiocarps](#) (2023), *Journal of Food Measurement and Characterization* 17 (2), pp. 1748–1763.
32. Simic V., Stojkovic M., Milivojevic N., Bacanin N., [Assessing water resources systems' dynamic resilience under hazardous events via a genetic fuzzy rule-based system](#) (2023), *Journal of Hydroinformatics* 25 (2), pp. 318–331.
33. Stojković M., Marjanović D., Rakic D., Ivetić D., Simic V., Milivojevic N., Trajkovic S., [Assessment of water resources system resilience under hazardous events using system dynamic approach and artificial neural networks](#) (2023), *Journal of Hydroinformatics* 25 (2), pp. 208–225.
34. Janičević S., Mijatović S., Spasojević D., [Finite driving rate effects in the nonequilibrium athermal random field Ising model of thin systems](#) (2023), *Physica A: Statistical Mechanics and its Applications* 614, art. no. 128553.



35. Jakovljević M., Nikolić M., Kojadinović N., Đuretanović S., Radenković M., Veličković T., Simić V., [Population Characteristics of \*Spiralin Alburnoides bipunctatus\* \(Bloch, 1782\) in Serbia \(Central Balkans\): Implications for Conservation](#) (2023), *Diversity* 15 (5), art. no. 616.
36. Krstic D., Nikezic D., Jeremic. M.Z., Dolicanin E., Miladinovic T.B., Zivkovic M., [Comparison between MCNP and planning system in brachytherapy of cervical cancer](#) (2023), *Applied Radiation and Isotopes* 192, art. no. 110614.
37. Kuljancic D., Cvjetkovic Bosnjak M., Siladji D., Hinic D., Veskovic D., Janjic N., Ratkovic D., Zivanovic O., Vasic V., Sakic B., [The Role of COVID-19-Associated Fear, Stress and Level of Social Support in Development of Suicidality in Patients Diagnosed with Affective and Stress-Induced Psychiatric Disorders during the COVID-19 Pandemic - A Comparative Analysis](#) (2023), *Brain Sciences* 13 (5), art. no. 812.
38. Radojević I., Jakovljević V., Grujić S., Ostojić A., Ćirković K., [Biofilm formation by selected microbial strains isolated from wastewater and their consortia: mercury resistance and removal potential](#) (2023), *Research in Microbiology III*, art. no. 104092.
39. Savović S., Aidinis K., Djordjevich A., Min R., [Investigation of space division multiplexing in multimode step-index silica photonic crystal fibers](#) (2023), *Heliyon* 9 (5), art. no. e15882.
40. Redžepović I., Đorđević S., Brezovnik S., Tratnik N., Žigert Pleteršek P., Furtula B., Radenković S., [Partition of topological indices of benzenoid hydrocarbons into ring contributions](#) (2023), *International Journal of Quantum Chemistry*...
41. Trifunović T., Jovanović M., Milošević M., [The generalized Khasminskii-type conditions in establishing existence, uniqueness and moment estimates of solution to neutral stochastic functional differential equations](#) (2023), *Filomat* 37 (24), pp. 8157–8174.
42. Aleksić S., Cabadab A., Dimitrijević S., Tomović Mladenović T.V., [The existence of a solution for nonlinear fractional differential equations where nonlinear term depends on the fractional and first order derivative of an unknown function](#) (2023), *Filomat* 37 (12), pp. 3871–3882.
43. Laković M., Vučićević N., Stojanović N., [Soft Carathéodory extension theorem and soft outer measure](#) (2023), *Filomat* 37 (17), pp. 5581–5589.
44. Djordjević J., Nešović E., Öztürk U., [On generalized Darboux frame of a spacelike curve lying on a lightlike surface in Minkowski space E<sup>3,1</sup> Dedicated to the memory of Professor Emeritus Krishan Lal Duggal](#) (2023), *Turkish Journal of Mathematics* 47 (2), pp. 883–897.
45. Pantovic M., Djordjevic O., Radevic S., Bankovic D., Ilic K.P., Radovanovic S., [Mortality of Malignant Melanoma in Central Serbia, in the Period 1999-2015](#) (2023), *Dermatology Practical and Conceptual* 13 (1), art. no. e202308.
46. Maleš U., Ramljak D., Krüger T.J., Davidović T., Ostojić D., Haridas A., [Controlling the Difficulty of Combinatorial Optimization Problems for Fair Proof-of-Useful-Work-Based Blockchain Consensus Protocol](#) (2023), *Symmetry* 15 (1), art. no. 140.
47. Lazović M., Tomović V., Vasiljević I., Kecojević I., Tomović M., Martinović A., Žugić Petrović T., Danilović B., Vujadinović D., Tomašević I., Smiljanić M., Đorđević V., [Cadmium, lead, mercury and arsenic in fresh vegetables and vegetable products intended for human consumption in the Republic of Serbia, 2015–2017](#) (2023), *Food Additives and Contaminants: Part B Surveillance* 16 (2), pp. 102–119.

## M23

1. Kurtović M., Petrović V., Petrović I., [The Influence of the Effective Ionization Potential and Initial Momentum on the Barrier-Suppression Ionization Rate in a Circularly Polarized Laser Field](#) (2023), Bulletin of the Lebedev Physics Institute 50 (10), pp. 420–428.
2. Pirković B.A., Ristić M.M., Nastić A.S., [Random Environment Integer-Valued Autoregressive Process with Discrete Laplace Marginal Distributions](#) (2023), Revstat Statistical Journal 21 (4), pp. 469–490.
3. Miladinović T.B., Simić S., Danilović N., [Ionization Transition Rates in the Intermediate Regime of the Keldysh Parameter for a \(0,1\)\\*LG Spiral Amplitude Modulated Laser Field](#) (2023), Journal of Experimental and Theoretical Physics 136 (6), pp. 690–698.
4. Radojević I.D., Grujović M.Ž., Milošević-Djordjević O., Vukajlović J.T., Marković A., Grujičić D., Ćirić A., Djelić G., Topuzović M., Čomić L.R., [Putative application of \*Najas marina\* L. extracts as a source of bioactive compounds and their antioxidant, antimicrobial, antibiofilm, and genotoxic properties](#) (2023), Letters in applied microbiology 76 (5).
5. Bogojeski J., Soldatović T., Petrović B., [Mechanisms of the reactions of structurally similar platinum\(II\), palladium\(II\) and gold\(III\) complexes: a minireview dedicated to the research of Prof. Dr. Živadin D. Bugarčić](#) (2023), Journal of Coordination Chemistry...
6. Kesić A., Jeremić S., Petrović B., [Experimental and theoretical studies of the substitution reactions of some bifunctional Au\(III\) complexes with biologically relevant thiols and thioethers](#) (2023), Journal of Coordination Chemistry...
7. Capponi T., Weigel J., Ćočić D., Alzoubi B.M., Van Eldik R., Puchta R., [Host-guest complexes of a cryptand based on 5H-cyclopenta\[2,1-b:3,4b'\]pyridine moieties: prediction of ion selectivity by quantum chemical calculations XVI](#) (2023), Journal of Coordination Chemistry...
8. Raković I., Ćočić D., Milošević-Djordjević O., Radojević I., Živanović M.N., Virijević K., Pavić J., Tubić Vukajlović J., Marković A., Marjanović J.S., Kostić M.D., Čanović P., Mijatović A., Divac V.M., [Organoselenium functionalized oxacycles as ligands in some trans-palladium\(II\) complexes: biological evaluation and interaction with small biomolecules](#) (2023), Journal of Coordination Chemistry...
9. Obrenović M., Lampert T., Ivanović M., Gančarski P., [Constrained-HIDA: Heterogeneous Image Domain Adaptation Guided by Constraints](#) (2023), Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 14173 LNAI, pp. 443–458.
10. Simović P., Simić V., Milošević D., Petrović A., [New Records of Species \*Taeniopteryx hubaulti\* Aubert, 1946 and \*Taeniopteryx schoenemundi\* \(Mertense, 1923\) \(Plecoptera: Taeniopterygidae\) in Serbia](#) (2023), Journal of the Entomological Research Society 25 (1), pp. 155–166.
11. Marjanović J.S., Ćočić D., Čaković A.Z., Petrović N., Kosanić M., Kostić M.D., Divac V.M., [Seleno-L-cystine and Vanillin Schiff's base: Synthesis, Reaction Mechanism and Biological activity](#) (2023), ChemistrySelect 8 (6), art. no. e202204603.
12. Kovacevic M., Milosevic M., Kuzmanovic Lj., [A Useful Experiment for Teaching Resistance of a Wire as a Function of Temperature](#) (2023), Physics Teacher 61 (4), pp. 276–278.

13. Misirlioglu M., Reynolds J.W., Stojanović M., Trakić T., Sekulić J., James S.W., Csuzdi C., Decaëns T., Lapied E., Phillips H.R.P., Cameron E.K., Brown G.G., [Earthworms \(Clitellata, Megadrili\) of the world: an updated checklist of valid species and families, with notes on their distribution](#) (2023), *Zootaxa* 5255 (1), pp. 417–438.
14. Weinert C., Čočić D., Puchta R., van Eldik R., [Effective encapsulation of noble and small gases and molecules by tubularene molecule](#) (2023), *Zeitschrift für Anorganische und Allgemeine Chemie*, ...
15. Petrović N., Kosanić M., Tosti T., Srbijak I., Đurić A., [Chemical Characterization and Bioactive Properties of the Edible and Medicinal Honey Mushroom \*Armillaria mellea\* \(Agaricomycetes\) from Serbia](#) (2023), *International Journal of Medicinal Mushrooms* 25 (4), pp. 1–15.
16. Stašević F., Miletić N., Nikolić J.Đ., Gutman I., [Do Serbian high school students possess knowledge of basic chemical facts related to real life as a prerequisite for chemical literacy?](#) (2023), *Journal of the Serbian Chemical Society*, 88 (3), pp. 343–354.
17. Prodanović N., Kosanić M., Kočović A., Tomović J., Mrkalić E., Sovrlić M., [Assessment of biological activity of selected species mushrooms of the order agaricales and boletales](#) (2023) *Studia Universitatis Babeş-Bolyai Chemia* 2023 (1), pp. 131–144.
18. Jakovljević M.R., Milutinović M., Djurdjević P., Todorović Ž., Stanković M., Milošević-Djordjević O., [Cytotoxic and apoptotic activity of acetone and aqueous \*Artemisia vulgaris\* L. and \*Artemisia alba\* Turra extracts on colorectal cancer cells](#) (2023), *European Journal of Integrative Medicine* 57, art. no. 102204.
19. Valjarević D., Dimitrijević S., Petrović L., [Statistical causality, optional and predictable projections\\*](#) (2023), *Lithuanian Mathematical Journal* 63 (1), pp. 104–116.
20. Marin M., Branković S., [The effect of the \*Satureja montana\* ethanol extract on the morphological changes of erythrocytes \[Uticaj etanolnog ekstrakta \*Satureja montana\* na morfološke promene eritrocita\]](#) (2023), *Botanica Serbica* 47 (1), pp. 87–92.
21. Sabovljević M.S., Tomović G., Kunev G., Taşkın H., Bozok F., Šovran S., Knežević A., Cimerman Ž.L., Krajšek S.S., Kuzmanović N., Lazarević P., Assyov B., Stoykov D., Szelağ Z., Vladimirov V., Rakonjac A.B., Simić S.B., Sabovljević A.D., Papp B., Pantović J., Stanković M., [New records and noteworthy data of plants, algae and fungi in SE Europe and adjacent regions, 13 \[Novi i značajni podaci o biljkama, algama i gljivama iz JI Evrope i susednih regiona, 13\]](#) (2023), *Botanica Serbica* 47 (1), pp. 183–194.
22. Preethalayam P., Proos Vedin N., Radenković S., Ottosson H., [Azaboracyclooctatetraenes reveal that the different aspects of triplet state Baird-aromaticity are nothing but different](#) (2023), *Journal of Physical Organic Chemistry* 36 (1), art. no. e4455.

## Без категорије на КОБSON-у (укупно: 10)

1. Vidaković I., Radulović M., Stevanović J., Kačarević G., Application of Multivariate Analysis in Separation of Higgs Boson Signal at Future  $e^+e^-$  Colliders (2023), *Proceedings of Science* 427, art. no. 101.
2. Petrović I., Jeknić-Dugić J., Arsenijević M., Dugić M., Gocić S., The role of size and shape in the stability of the quantum Brownian rotator (2023), *Proceedings of Science* 427, art. no. 173.

3. Kačarević G., Božović-Jelisavčić I., Vukašinović N., Radulović M., Stevanović J., Measurement of the Higgs to  $\gamma\gamma$  branching fraction at 3 TeV CLIC (2023), Proceedings of Science 427, art. no. 092.
4. Milutinović-Dumbelović G., Božović-Jelisavčić I., Vukašinović N., Kačarević G., Radulović M., Stevanović J., Measurement of the  $\sigma \times \text{BR}(H \rightarrow ZZ^*)$  at 350 GeV and 3 TeV center-of-mass energies CLIC (2023), Proceedings of Science 427, art. no. 097.
5. Vukašinović N., Božović-Jelisavčić I., Kačarević G., Radulović M., Stevanović J., Determination of the CPV Higgs mixing angle in ZZ-fusion at 1.4 TeV CLIC (2023), Proceedings of Science, 427, art. no. 102.
6. Yang C., Mao Y., Gutman I., Tong Q., On the Lanzhou index of graphs (2023), Journal of Algebra Combinatorics Discrete Structures and Applications 10 (3), pp. 131–147.
7. Yang J., Xuan L., Markovic V., Zakaly H.M.H., Ivanov D.S., Bai C., Huang R., [Associations between exposure to brominated flame retardants with cognitive function in U.S. older adults: A cross-sectional study of NHANES from 2011 to 2012](#) (2023), Emerging Contaminants 9 (4), art. no. 100259.
8. Jovanović M., Milovanović J., Nonić M., Šijačić-Nikolić M., Janković I.K., Grbović F., [The Effects of Soil Type, Exposure and Elevation on Leaf Size and Shape in Quercus cerris L.](#) (2023), South-East European Forestry 14 (1), pp. 27–36.
9. Valková V., Ďuranová H., Galovičová L., Borotová P., Vukovic N.L., Vukic M., Kačániová M., Antifungal Activity of Salvia Sclarea Essential Oil Against Penicillium Spp. Strains Determined by Disc Diffusion and Vapor Contact Methods (2023), Journal of Hygienic Engineering and Design 42, pp. 162–169.
10. Younis M., Mirkov N., Savić A., Pantović M., Radenović S., [Some critical remarks on recent results concerning F-contractions in b-metric spaces](#) (2023), Cubo 25 (1), pp. 57–66.

## Нема часописа на КОБSON-у (укупно: 6)

1. Živković M., Miladinović T.B., Krstić D., Milosavljević N., Radojević M.Ž., Miladinović A., [Humerus absorbed dose in breast cancer postoperative radiotherapy. Simulation with FOTELP-VOX code and comparison with treatment planning system](#) (2023), European Physical Journal: Special Topics, 232 (10), pp. 1549–1553.
2. Arumugam S., Arathi Bhat K., Gutman I., Karantha M.P., Poojary R., [Nullity of Graphs - A Survey and Some New Results](#) (2023), Indian Statistical Institute Series, Part F1229, pp. 155–175.
3. Filipovic N., Arsic B., Djukic T., Tomasevic S., Anic M., Koncar I., [Agent Based with Finite Element Method for Plaque Progression in the Carotid Artery](#) (2023), International Conference on Digital Signal Processing, DSP, 2023-June.
4. Ramane H.S., Gutman I., Bhajantri K., Kitturmath D.V., [Sombor index of some graph transformations](#) (2023), Communications in Combinatorics and Optimization 8 (1), pp. 193–205.
5. Gutman I., Gürsoy N.K., Gürsoy A., Ülker A., [New Bounds on Sombor Index](#) (2023), Communications in Combinatorics and Optimization 8 (2), pp. 305–311.

6. Djordjevic J., Nešovic E., [On Generalized Darboux Frame of a Pseudo Null Curve Lying on a Lightlike Surface in Minkowski 3-Space](#) (2023), International Electronic Journal of Geometry 16 (1), pp. 81–94.

## **M33**

1. Milicevic B., Ivanovic M., Stojanovic B., Milosevic M., Simic V., Kojic M., Filipovic N., [Data-driven and Physics-informed Muscle Model Surrogates for Cardiac Cycle Simulations](#) (2023), Proceedings - 10th International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2023.