

2024

M21a – укупно 10

1. Caković A., Čočić D., Živanović M., Janković N., Milivojević N., Delibašić M., Kostić M., Radojević I., Grujović M., Marković K.G., Klisurić O.R., Vraneš M., Bogojeski J. Enhancing Bioactivity of N,N,N-Chelating Rhodium(III) Complexes with Ionic Liquids: Toward Targeted Cancer Therapy. (2024) *Journal of Medicinal Chemistry*, 67 (15), pp. 13349 – 13362. DOI: 10.1021/acs.jmedchem.4c01220. <https://enauka.gov.rs/handle/123456789/928468>
2. Mudrić-Staniškovski L., Djurović L., Stojanović N. Energy of a fuzzy soft set and its application in decision-making. (2024) *Iranian Journal of Fuzzy Systems*, 21 (2), pp. 35 – 49. DOI: 10.22111/ijfs.2024.46797.8243. <https://enauka.gov.rs/handle/123456789/922714>
3. Marković V., Szczepańska A., Berlicki Ł. Antiviral Protein-Protein Interaction Inhibitors. (2024) *Journal of Medicinal Chemistry*, 67 (5), pp. 3205 – 3231. DOI: 10.1021/acs.jmedchem.3c01543. <https://enauka.gov.rs/handle/123456789/895048>
4. Miković R., Arsić B., Gligorijević Đ. Importance of social capital for knowledge acquisition– DeepLIFT learning from international development projects. (2024) *Information Processing and Management*, 61 (4), art. no. 103694. DOI: 10.1016/j.ipm.2024.103694. <https://enauka.gov.rs/handle/123456789/897059>
5. Vukicevic A.M., Petrovic M., Milosevic P., Peulic A., Jovanovic K., Novakovic A. A systematic review of computer vision-based personal protective equipment compliance in industry practice: advancements, challenges and future directions. (2024) *Artificial Intelligence Review*, 57 (12), art. no. 319. DOI: 10.1007/s10462-024-10978-x. <https://enauka.gov.rs/handle/123456789/940908>
6. Vuković N.L., Vukić M., Branković J., Petrović V., Galovičova L., Čmikova N., Kačaniova M. The antimicrobial and antibiofilm potential of the *Piper nigrum* L. essential oil: in vitro, in situ, and in silico study. (2024) *Industrial Crops and Products*, 209, art. no. 118075. DOI: 10.1016/j.indcrop.2024.118075. <https://enauka.gov.rs/handle/123456789/880667>
7. Elvira Mavrić-Scholze, Simijonović Dušica, Avdović Edina, Milenković Dejan, Šaćirović Sabina, Ćirić Andrija, Marković Zoran. Comparative analysis of antioxidant activity and content of (poly)phenolic compounds in cabernet sauvignon and merlot wines of Slovenian and Serbian vineyards. (2024) *Food Chemistry: X* 25, 102108. DOI 10.1016/j.fochx.2024.102108. <https://enauka.gov.rs/handle/123456789/954592>
8. Simović P., Milosavljević A., Stojanović K., Radenković M., Savić-Zdravković D., Predić B., Petrović A., Božanić M., Milošević D. Automated identification of aquatic insects: A case study using deep learning and computer vision techniques. (2024) *Science of the Total*

Environment, 935, art. no. 172877. DOI: 10.1016/j.scitotenv.2024.172877.
<https://enauka.gov.rs/handle/123456789/920571>

9. Dimitrijević M.G., Roschger C., Lang K., Zierer A., Paunović M.G., Obradović A.D., Matic M.M., Pocrnić M., Galić N., Ćirić A., Joksović M.D. Discovery of a new class of potent pyrrolo[3,4-c]quinoline-1,3-diones based inhibitors of human dihydroorotate dehydrogenase: Synthesis, pharmacological and toxicological evaluation. (2024) Bioorganic Chemistry, 147, art. no. 107359. DOI: 10.1016/j.bioorg.2024.107359. <https://enauka.gov.rs/handle/123456789/905329>
10. Jakovljević M., Đuretanić S., Kojadinović N., Nikolić M., Petrović A., Simović P., Simić V. Assessing spiralin *Alburnoides bipunctatus* (Bloch, 1782) as an early indicator of climate change and anthropogenic stressors using ecological modeling and machine learning. (2024) Science of the Total Environment, 951, art. no. 175723. DOI: 10.1016/j.scitotenv.2024.175723. <https://enauka.gov.rs/handle/123456789/930906>

M21 – укупно 78

1. Djordjević J., Nešović E., Öztürk U., Koç Öztürk E.B. On null Cartan normal isophotic and normal silhouette curves on a timelike surface in Minkowski 3-space. (2024) Mathematical Methods in the Applied Sciences, 47 (12), pp. 10520 – 10539. DOI: 10.1002/mma.10137. <https://enauka.gov.rs/handle/123456789/917932>
2. Kasalović M.P., Jelača S., Milanović I., Maksimović-Ivanić D., Mijatović S., Lađarević J., Božić B., Marković Z., Dunderović D., Ruffer T., Kretschmer R., Kaluđerović G.N., Pantelić N.Đ. Novel triphenyltin(iv) compounds with carboxylato N-functionalized 2-quinolones as promising potential anticancer drug candidates: in vitro and in vivo evaluation. (2024) Dalton Transactions, 53 (19), pp. 8298 – 8314. DOI: 10.1039/d4dt00182f. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191309800&doi=10.1039%2fd4dt00182f&partnerID=40&md5=09726c6c88ec0ceed1de7be55f39db78>
3. Gazwi H.S.S., Zaki A.H., Abd Allah N.A.R., Gomaa A.T., Milošević M., Al-Rejaie S.S., Mohany M., Yassien E.E. Mitigation of cisplatin-induced hepatotoxicity by *Salvia officinalis*: Attenuation of oxidative damage and inflammation in rats. (2024) Free Radical Biology and Medicine, 222, pp. 62 – 71. DOI: 10.1016/j.freeradbiomed.2024.06.005. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195516431&doi=10.1016%2fj.freeradbiomed.2024.06.005&partnerID=40&md5=cd06b7f4ed9a28957edfee47faa815a3>
4. Serezlić M.K., Hasić R., Ašanin D., Šmit B., Matic S.L., Serafinović M.Ć., Nikodijević D., Jovankić J., Grgurić-Šipka S., Soldatović T.V. Heterometallic bridged Pt(II)-Zn(II) complexes: Influence of the substituent in 4'-position in inert terpy ligand on antigenotoxicity, potential antitumor activity and mechanism of interactions of the

complexes with biomolecules. (2024) Applied Organometallic Chemistry, 38 (4), art. no. e7413. DOI: 10.1002/aoc.7413. <https://enauka.gov.rs/handle/123456789/893718>

5. Branković J., Matejić V., Simijonović D., Vukić M.D., Kačaniova M., Živanović M., Mirić A., Košarić J., Branković M., Petrović V.P. Novel N-pyrocatechoyl and N-pyrogallolyl hydrazone antioxidants endowed with cytotoxic and antibacterial activity. (2024) Archiv der Pharmazie, 357 (5), art. no. 2300725. DOI: 10.1002/ardp.202300725. <https://enauka.gov.rs/handle/123456789/894675>
6. Petrović N.Z., Pranić M.S., Stanić M.P., Tomović Mladenović T.V. The set of anti-Gaussian quadrature rules for the optimal set of quadrature rules in Borges' sense. (2024) Journal of Computational and Applied Mathematics, 442, art. no. 115733. DOI: 10.1016/j.cam.2023.115733. <https://enauka.gov.rs/handle/123456789/892062>
7. Verešová A., Vukic M.D., Vukovic N.L., Terentjeva M., Ban Z., Li L., Bianchi A., Kollár J., Ben Saad R., Ben Hsouna A., Elizondo-Luévano J.H., Kluz M.I., Čmiková N., Garzoli S., Kačániová M. Chemical Composition, Biological Activity, and Application of *Rosa damascena* Essential Oil as an Antimicrobial Agent in Minimally Processed Eggplant Inoculated with *Salmonella enterica*. (2024) Foods, 13 (22), art. no. 3579. DOI: 10.3390/foods13223579. <https://enauka.gov.rs/handle/123456789/951842>
8. Spasojević D., Janičević S., Tadić B. Hysteresis-loop phenomena in disordered ferromagnets with demagnetizing field and finite temperature. (2024) Physical Review E, 110 (1), art. no. 014133. DOI: 10.1103/PhysRevE.110.014133. <https://enauka.gov.rs/handle/123456789/936862>
9. Spasojević D., Janičević S. The impact of crystal grain size on the behavior of disordered ferromagnetic systems: from thin to bulk geometry. (2024) Journal of Statistical Mechanics: Theory and Experiment, 2024 (8), art. no. 083303. DOI: 10.1088/1742-5468/ad6977. <https://enauka.gov.rs/handle/123456789/934283>
10. Mitrović M., Djukić M.B., Vukić M., Nikolić I., Radovanović M.D., Luković J., Filipović I.P., Matić S., Marković T., Klisurić O.R., Popović S., Matović Z.D., Ristić M.S. Search for new biologically active compounds: in vitro studies of antitumor and antimicrobial activity of dirhodium(ii,ii) paddlewheel complexes. (2024) Dalton Transactions, 53 (22), pp. 9330 – 9349. DOI: 10.1039/d4dt01082e. <https://enauka.gov.rs/handle/123456789/920614>
11. Pantelic L., Skaro Bogojevic S., Andrejević T.P., Pantović B.V., Marković V.R., Ašanin D.P., Milanović Ž., Ilic-Tomic T., Nikodinovic-Runic J., Glišić B. Đ., Lazic J. Copper(II) and Zinc(II) Complexes with Bacterial Prodigiosin Are Targeting Site III of Bovine Serum Albumin and Acting as DNA Minor Groove Binders. (2024) International Journal of Molecular Sciences, 25 (15), art. no. 8395. DOI: 10.3390/ijms25158395. <https://enauka.gov.rs/handle/123456789/928839>

12. Milović E., Matić S.L., Katanić Stanković J.S., Srećković N., Filipović I., Bradić J., Petrović A., Jakovljević V., Vazquez N.B., Janković N. DNA interaction of selected tetrahydropyrimidine and its effects against CCl₄-induced hepatotoxicity in vivo: Part II. (2024) *Archiv der Pharmazie*, 357 (11), art. no. e2400409. DOI: 10.1002/ardp.202400409. <https://enauka.gov.rs/handle/123456789/935230>
13. Stanković M., Skaro Bogojević S., Kljun J., Milanović, Stevanović N.L., Lazić J., Vojnović S., Turel I., Djuran M.I., Glišić B.Đ. Silver(I) complexes with voriconazole as promising anti-*Candida* agents. (2024) *Journal of Inorganic Biochemistry*, 256, art. no. 112572. DOI: 10.1016/j.jinorgbio.2024.112572. <https://enauka.gov.rs/handle/123456789/906390>
14. Glišić M., Čanović P.P., Zarić M.M., Živković Zarić R.S., Franich A., Rajković S., Živković M. The cytotoxicity of palladium (II) complexes containing 1,2- or 1,4-diazine bridging ligands on squamous cell carcinoma cells in vitro: Insights in the mechanisms of action. (2024) *Applied Organometallic Chemistry*, 38 (6), art. no. e7449. DOI: 10.1002/aoc.7449. <https://enauka.gov.rs/handle/123456789/929300>
15. Čmiková N., D. Vukic M., L. Vukovic N., Verešová A., Bianchi A., Garzoli S., Ben Saad R., Ben Hsouna A., Ban Z., Kačániová M. Phytochemical investigation, evaluation of the biological activities and preservative effect of the essential oil of *Juniperus communis* L. dried berries on the vacuum-packed carrot after the application of *Salmonella enterica*. (2024) *Scientia Horticulturae*, 336, art. no. 113442. DOI: 10.1016/j.scienta.2024.113442. <https://enauka.gov.rs/handle/123456789/929298>
16. Kačániová M., Vukovic N.L., Čmiková N., Bianchi A., Garzoli S., Ben Saad R., Ben Hsouna A., Elizondo-Luévano J.H., Said-Al Ahl H.A.H., Hikal W.M., Vukic M.D. Biological Activity and Phytochemical Characteristics of Star Anise (*Illicium verum*) Essential Oil and Its Anti-*Salmonella* Activity on Sous Vide Pumpkin Model. (2024) *Foods*, 13 (10), art. no. 1505. DOI: 10.3390/foods13101505. <https://enauka.gov.rs/handle/123456789/920616>
17. Milanović Ž., Marković Z., Kesić A., Jovanović Stević S., Petrović B., Avdović E. Influence of acid-base equilibrium on interactions of some monofunctional coumarin Pd(II) complexes with biologically relevant nucleophiles-comprehensive kinetic study. (2024) *Dalton Transactions*, 53 (19), pp. 8275 – 8288. DOI: 10.1039/d4dt00789a. <https://enauka.gov.rs/handle/123456789/906787>
18. Luković D., Franich A.A., Živković M.D., Rajković S., Stojanović B., Gajović N., Jurišević M., Pavlović S., Simović Marković B., Jovanović M., Stojanović B.S., Pavlović R., Jovanović I. Biological Evaluation of Dinuclear Platinum(II) Complexes with Aromatic N-Heterocycles as Bridging Ligands. (2024) *International Journal of Molecular Sciences*, 25 (15), art. no. 8525. DOI: 10.3390/ijms25158525. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200980296&doi=10.3390%2fijms25158525&partnerID=40&md5=3baaa21a486281621141ab820de08d37>

19. Alraqad T., Alameri A., Alsharafi M., Louati H., Aldwoah K.A., Saber H., Gutman I. Analysis of octane isomer properties via topological descriptors of line graphs. (2024) *Scientific Reports*, 14 (1), art. no. 27159. DOI: 10.1038/s41598-024-75454-6. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208744231&doi=10.1038%2fs41598-024-75454-6&partnerID=40&md5=7dadced4b6c6b4eff9dbed80f72554aa>
20. Rackov S., Pilić B., Janković N., Kosanić M., Petković M., Vraneš M. From Synthesis to Functionality: Tailored Ionic Liquid-Based Electrospun Fibers with Superior Antimicrobial Properties. (2024) *Polymers*, 16 (15), art. no. 2094. DOI: 10.3390/polym16152094. <https://enauka.gov.rs/handle/123456789/929871>
21. Marković T., Popović S., Matić S., Mitrović M., Anđić M., Kočović A., Vukić M., Petrović V., Branković J., Vuković N., Todorović D., Kačániová M., Baskić D. Insights into Molecular Mechanisms of Anticancer Activity of *Juniperus communis* Essential Oil in HeLa and HCT 116 Cells. (2024) *Plants*, 13 (17), art. no. 2351. DOI: 10.3390/plants13172351. <https://enauka.gov.rs/handle/123456789/930827>
22. Ćorović K., Stojković D.L., Petrović Đ.S., Jovičić Milić S.S., Đukić M.B., Radojević I.D., Raković I., Jurišević M., Gajović N., Jovanović M., Marinković J., Jovanović I., Stojanović B. Newly synthesized palladium(ii) complexes with dialkyl esters of (S,S)-propylenediamine-N,N'-di-(2,2'-di-(4-hydroxy-benzil))acetic acid: in vitro investigation of biological activities and HSA/DNA binding. (2024) *Dalton Transactions*, 53 (18), pp. 7922 – 7938. DOI: 10.1039/d4dt00659c. <https://enauka.gov.rs/handle/123456789/917185>
23. Stanić M.P., Tomović Mladenović T.V., Jovanović A.N. Quadrature rules of Gaussian type for trigonometric polynomials with preassigned nodes. (2024) *Applied Numerical Mathematics*, 200, pp. 399 – 408. DOI: 10.1016/j.apnum.2023.05.015. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163749310&doi=10.1016%2fj.apnum.2023.05.015&partnerID=40&md5=172a7f729674e4977d8e1fba7534503c>
24. Öztürk U., Nešović E., Koç Öztürk E.B. Numerical computing of isophote curves, general helices, and relatively normal-slant helices in Minkowski 3-space. (2024) *Mathematical Methods in the Applied Sciences*, 47 (5), pp. 3428 – 3442. DOI: 10.1002/mma.8474. <https://enauka.gov.rs/handle/123456789/569311>
25. Postolović K.S., Stanić Z.D. Simultaneous determination of dopamine and folic acid using chitosan-carrageenan hydrogel/graphene oxide modified glassy carbon electrode. (2024) *Microchemical Journal*, 207, art. no. 111660. DOI: 10.1016/j.microc.2024.111660. <https://enauka.gov.rs/handle/123456789/936322>
26. Arsenijević D., Jovanović M., Pecić K., Jurišić V., Virijević K., Mitić M., Nikolić J., Grujović M., Marković K., Šeklić D. *Laetiporus sulphureus* mushroom extract strongly enhances proapoptotic effect of probiotics *Bifidobacterium lactis* on HCT-116 cells in a co-

- culture system. (2024) Food Bioscience, 58, art. no. 103700. DOI: 10.1016/j.fbio.2024.103700. <https://enauka.gov.rs/handle/123456789/893854>
27. Radenković N., Nikodijević D., Jovankić J., Blagojević S., Milutinović M. Resistance to 5-fluorouracil: The molecular mechanisms of development in colon cancer cells. (2024) European Journal of Pharmacology, 983, art. no. 176979. DOI: 10.1016/j.ejphar.2024.176979. <https://enauka.gov.rs/handle/123456789/932148>
28. Vukajlović Tubić J., Djordjević K., Tosti T., Simić I., Grbović F., Milošević-Djordjević O. *In vitro* effect of *Lenzites betulinus* mushroom against therapy-induced DNA damage in peripheral blood lymphocytes of patients with acute coronary syndrome. (2024) Journal of Ethnopharmacology, 335, art. no. 118640. DOI: 10.1016/j.jep.2024.118640. <https://enauka.gov.rs/handle/123456789/930453>
29. Manojlović A., Khalid A.N., Usman M., Stefanović O., Đukić N., Manojlović N., Tomović J. Phytochemical Analysis and Antioxidant, Antimicrobial, and Antibiofilm Effects of a New Himalayan Lichen *Placidium deosaiense* Usman and Khalid Growing in Pakistan. (2024) International Journal of Molecular Sciences, 25 (20), art. no. 11203. DOI: 10.3390/ijms252011203. <https://enauka.gov.rs/handle/123456789/946364>
30. Zhao Y., Chen C., Zhong X., Cao H., Liu M., Lin B., Savović S. Enhancing OFDM with index modulation using heuristic geometric constellation shaping and generalized interleaving for underwater VLC. (2024) Optics Express, 32 (8), pp. 13720 – 13732. DOI: 10.1364/OE.521045. <https://enauka.gov.rs/handle/123456789/937989>
31. Gvozdencac S.M., Prvulović D.M., Lozanov-Crvenković Z., Štajner-Papuga I.V., Ovuka J.S., Krstić M.V., Tanasković S.T., Vukajlović F.N. Thermal treatments in controlling *Plodia interpunctella* (Lepidoptera: Pyralidae) on sunflower seeds and their effect on seed vitality. (2024) Journal of Stored Products Research, 108, art. no. 102384. DOI: 10.1016/j.jspr.2024.102384. <https://enauka.gov.rs/handle/123456789/928584>
32. Stanković D., Zorić K., Đuretanović S., Stamenković G., Ilić M., Marković V., Marić S. A new perspective on the molecular dating of the stone crayfish with an extended phylogeographic information on the species. (2024) Hydrobiologia, 851 (19), pp. 4601 – 4622. DOI: 10.1007/s10750-024-05613-3. <https://enauka.gov.rs/handle/123456789/924401>
33. Kasalović M.P., Dimić D., Jelača S., Maksimović-Ivanić D., Mijatović S., Zmejkovski B.B., Schreiner S.H.F., Ruffer T., Pantelić N.n., Kaluđerović G.N. Trimethyltin(IV) Bearing 3-(4-Methyl-2-oxoquinolin-1(2H)-yl)propanoate Causes Lipid Peroxidation-Mediated Autophagic Cell Death in Human Melanoma A375 Cells. (2024) Pharmaceuticals, 17 (3), art. no. 372. DOI: 10.3390/ph17030372. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188933378&doi=10.3390%2fph17030372&partnerID=40&md5=b818b7c82252caec6f2d466f9ecdb065>

34. Radenković S., Đorđević S., Nikolendžić M. Tuning the HOMO-LUMO gap of polycyclic conjugated molecules using benzo-annulation strategy. (2024) Chemical Physics Letters, 856, art. no. 141686. DOI: 10.1016/j.cplett.2024.141686. <https://enauka.gov.rs/handle/123456789/945142>
35. Simović P., Milošević D., Simić V., Stojanović K., Atanacković A., Jakovljević M., Petrović A. Benthic macroinvertebrates in a tufa-depositing environment: a case study of highly vulnerable karst lotic habitats in Southeast Europe. (2024) Hydrobiologia, 851 (19), pp. 4761 – 4779. DOI: 10.1007/s10750-024-05629-9. <https://enauka.gov.rs/handle/123456789/927015>
36. Stanković M., Kljun J., Stevanović N.L., Lazic J., Skaro Bogojevic S., Vojnovic S., Zlatar M., Nikodinovic-Runic J., Turel I., Djuran M.I., Glišić B.Đ. Silver(i) complexes containing antifungal azoles: significant improvement of the anti-*Candida* potential of the azole drug after its coordination to the silver(i) ion. (2024) Dalton Transactions, 53 (5), pp. 2218 – 2230. DOI: 10.1039/d3dt03010e. <https://enauka.gov.rs/handle/123456789/876920>
37. Antonijević M., Avdović E., Simijonović D., Milanović Z., Žižić M., Marković Z. Investigation of novel radical scavenging mechanisms in the alkaline environment: Green, sustainable and environmentally friendly antioxidative agent(s). (2024) Science of the Total Environment, 912, art. no. 169307. DOI: 10.1016/j.scitotenv.2023.169307. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180532104&doi=10.1016%2fj.scitotenv.2023.169307&partnerID=40&md5=9f13ba1c5f047511436e8df7879a2e3f>
38. Bugarinović J.P., Pešić M.S., Stevanović D., Todosijević A., Damljanović I. Novel green protocols for the synthesis of tetrahydropyrazolopyrazolones. (2024) Sustainable Chemistry and Pharmacy, 37, art. no. 101431. DOI: 10.1016/j.scp.2024.101431. <https://enauka.gov.rs/handle/123456789/877635>
39. Trakić T., Popović F., Sekulić J., Hackenberger D.K. Ecotoxicological Effects of Commercial Microplastics on Earthworm *Eisenia fetida* (Savigny, 1826) (Clitellata; Lumbricidae). (2024) Agriculture (Switzerland), 14 (2), art. no. 267. DOI: 10.3390/agriculture14020267. <https://enauka.gov.rs/handle/123456789/889881>
40. Milivojević N., Carvalho M.R., Caballero D., Radisavljević S., Radoičić M., Živanović M., Kundu S.C., Reis R.L., Filipović N., Oliveira J.M. Evaluation of novel dendrimer–gold complex nanoparticles for theranostic application in oncology. (2024) Nanomedicine, 19 (6), pp. 483 – 497. DOI: 10.2217/nmm-2023-0355. <https://enauka.gov.rs/handle/123456789/885427>
41. Spasojević D., Marinković M., Jovković D., Janičević S., Laurson L., Djordjević A. Barkhausen noise in disordered striplike ferromagnets: Experiment versus simulations. (2024) Physical Review E, 109 (2), art. no. 024110. DOI: 10.1103/PhysRevE.109.024110. <https://enauka.gov.rs/handle/123456789/893331>

42. Mohamed A.S.A., Milošević M., Mohany M., Al-Rejaie S.S., Elwan H. Heat stress relief for broiler chickens: organic selenium and a vitamin C and E blend can enhance growth, nutrient digestibility, and blood parameters. (2024) Italian Journal of Animal Science, 23 (1), pp. 275 – 287. DOI: 10.1080/1828051X.2023.2301446. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184508191&doi=10.1080%2f1828051X.2023.2301446&partnerID=40&md5=efbe9a05071c512dcb624b04b0d7ebb6>
43. Kačaniová M., Vukic M., Vukovic N.L., Čmiková N., Verešová A., Schwarzová M., Babošová M., Porhajašová J.I., Kluz M., Waszkiewicz-Robak B., Hsouna A.B., Saad R.B., Garzoli S. An In-Depth Study on the Chemical Composition and Biological Effects of *Pelargonium graveolens* Essential Oil. (2024) Foods, 13 (1), art. no. 33. DOI: 10.3390/foods13010033. <https://enauka.gov.rs/handle/123456789/894674>
44. Kasalović M.P., Jelača S., Maksimović-Ivanić D., Lađarević J., Radovanović L., Božić B., Mijatović S., Pantelić N.Đ., Kaluđerović G.N. Novel diphenyltin(IV) complexes with carboxylato N-functionalized 2-quinolone ligands: Synthesis, characterization and in vitro anticancer studies. (2024) Journal of Inorganic Biochemistry, 250, art. no. 112399. DOI: 10.1016/j.jinorgbio.2023.112399. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175428342&doi=10.1016%2fj.jinorgbio.2023.112399&partnerID=40&md5=af50212ce4fee5fc52f4da74617a4b2b>
45. Milosavljević A.S., Stanić M.P., Tomović Mladenović T.V. Anti-Gaussian quadrature rules related to orthogonality on the semicircle. (2024) Numerical Algorithms. DOI: 10.1007/s11075-024-01948-z. <https://enauka.gov.rs/handle/123456789/945045>
46. Jovanović P., Simić S., Borka Jovanović V., Borka D., Popović L.Č. The comparison of an optical and X-ray counterpart of subparsec supermassive binary black holes. (2024) Advances in Space Research. DOI: 10.1016/j.asr.2024.07.024. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85199271179&doi=10.1016%2fj.asr.2024.07.024&partnerID=40&md5=e85b5bf2e6efbcd22ad03c41fa45698f>
47. Kačaniová M., Čmiková N., Vukovic N.L., Verešová A., Bianchi A., Garzoli S., Ben Saad R., Ben Hsouna A., Ban Z., Vukic M.D. Citrus limon Essential Oil: Chemical Composition and Selected Biological Properties Focusing on the Antimicrobial (*In Vitro*, *In Situ*), Antibiofilm, Insecticidal Activity and Preservative Effect against *Salmonella enterica* Inoculated in Carrot. (2024) Plants, 13 (4), art. no. 524. DOI: 10.3390/plants13040524. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185690833&doi=10.3390%2fplants13040524&partnerID=40&md5=12c2b8fa5e5a72e1bfc5e21fe5857458>
48. Jakovljević D., Kruszka D., Waligórski P., Warchoń M., Skrzypek E. Untargeted metabolomic in basil cell cultures – a case study of *Ocimum basilicum* L. var. *minimum* Alef. (2024) Physiologia Plantarum, 176 (1), art. no. e14203. DOI: 10.1111/ppl.14203. <https://www.scopus.com/inward/record.uri?eid=2-s2.0->

[85184513177&doi=10.1111%2fpppl.14203&partnerID=40&md5=dd70a6103283126032a0d0b043d43afa](https://doi.org/10.1111%2fpppl.14203&partnerID=40&md5=dd70a6103283126032a0d0b043d43afa)

49. Živić I., Elezović-Hadžić S. The local persistence length of semi-flexible self-avoiding walks on the square lattice. (2024) *Journal of Statistical Mechanics: Theory and Experiment*, 2024 (2), art. no. 023201. DOI: 10.1088/1742-5468/ad1d5a. <https://enauka.gov.rs/handle/123456789/904433>
50. Pavlović S., Petrović B., Čočić D., Schreurer A., Sretenović S., Nešić M.D., Nišavić M., Maric Z., Stanisavljević I., Čorović I., Simović Marković B., Maric V., Jovanović I., Radić G., Radisavljević S., Jovanović Stević S. New Pd(ii)-pincer type complexes as potential antitumor drugs: synthesis, nucleophilic substitution reactions, DNA/HSA interaction, molecular docking study and cytotoxic activity. (2024) *Dalton Transactions*. DOI: 10.1039/d4dt02549k. <https://enauka.gov.rs/handle/123456789/946684>
51. Milovanović G.V., Stanić M.P., Tomović Mladenović T.V. Gaussian type quadrature rules related to the oscillatory modification of the generalized Laguerre weight functions. (2024) *Journal of Computational and Applied Mathematics*, 437, art. no. 115476. DOI: 10.1016/j.cam.2023.115476. <https://enauka.gov.rs/handle/123456789/803030>
52. Vučelj S., Hasić R., Ašanin D., Šmit B., Caković A., Bogojeski J., Serafinović M.j., Marković B.S., Stojanović B., Pavlović S., Stanisavljević I., Čorović I., Stojanović M.D., Jovanović I., Soldatović T.V., Stojanović B. Modes of Interactions with DNA/HSA Biomolecules and Comparative Cytotoxic Studies of Newly Synthesized Mononuclear Zinc(II) and Heteronuclear Platinum(II)/Zinc(II) Complexes toward Colorectal Cancer Cells. (2024) *International Journal of Molecular Sciences*, 25 (5), art. no. 3027. DOI: 10.3390/ijms25053027. <https://enauka.gov.rs/handle/123456789/897325>
53. Geroski T., Gkaintes O., Vulović A., Ukaj N., Barrasa-Fano J., Perez-Boerema F., Milićević B., Atanasijević A., Živković J., Živić A., Roumpi M., Exarchos T., Hellmich C., Scheiner S., Van Oosterwyck H., Jakovljević D., Ivanović M., Filipović N. SGABU computational platform for multiscale modeling: Bridging the gap between education and research. (2024) *Computer Methods and Programs in Biomedicine*, 243, art. no. 107935. DOI: 10.1016/j.cmpb.2023.107935. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178651781&doi=10.1016%2fj.cmpb.2023.107935&partnerID=40&md5=1a8f6c6fe67068809a3e60332b5e5232>
54. Jovanović M., Virijević K., Grujović M., Ćirić A., Petrović I., Arsenijević D., Živanović M., Ljujić B., Šeklić D. *Armillaria ostoyae* extracts inhibit EMT of cancer cell lines via TGF- β and Wnt/ β -catenin signaling components. (2024) *Food Bioscience*, 57, art. no. 103250. DOI: 10.1016/j.fbio.2023.103250. <https://enauka.gov.rs/handle/123456789/859228>
55. Milenković Strahinja, Virijević Katarina, Živić Fatima, Radojević Ivana, Grujović Nenad. Composite Nanoarchitectonics of Electrospon Piezoelectric PVDF/AgNPs for Biomedical

- Applications, Including Breast Cancer Treatment. (2024) *Materials* 17(15) pp. 3872 – 3872. DOI 10.3390/ma17153872. <https://enauka.gov.rs/handle/123456789/928846>
56. Ali Akbar, Gutman Ivan, Furtula Boris, Redžepović Izudin, Došlić Tomislav, Raza Zahid. Extremal Results and Bounds for Atom-Bond Sum-Connectivity Index. (2024) *MATCH* 92(2) pp. 271 – 314. DOI 10.46793/match.92-2.271A. <https://enauka.gov.rs/handle/123456789/915122>
57. Vučićević Nemanja, Redžepović Izudin, Stojanović Nenad. Hamming Matrix and Hamming Energy of a Graph. (2024) *MATCH* 93(3) pp. 713 – 724. DOI 10.46793/match.93-3.713v. <https://enauka.gov.rs/handle/123456789/958949>
58. Mangain R, Kostić Marina, Divac V.M., Singh, F.V. Metal complexes with selenium-based ligands in organic synthesis. (2024) *Russian Chemical Reviews* 93(12) RCR5143-RCR5143. DOI 10.59761/RCR5143. <https://enauka.gov.rs/handle/123456789/951864>
59. Qamar Safi Ur Rehman, Virijević Katarina, Košarić Jelena, Živanović Marko, Ćirić, Andrija, Filipović Nenad. Application of biogenic silver nanoparticle incorporated nanofibers in biomedical science. (2024) *Inorganic chemistry communications* 170 pp. 113455 – 113455. DOI 10.1016/j.inoche.2024.113455. <https://enauka.gov.rs/handle/123456789/949010>
60. Novaković Slađana B., Bogdanović Goran A., Ratković Zoran, Blagojević Stefan, Matić Sanja, Muškinja Jovana. Synthesis, structural properties and DNA protective activity of ferrocenyl N-acyl pyrazolines. (2024) *Applied Organometallic Chemistry*. DOI 10.1002/aoc.7464. <https://enauka.gov.rs/handle/123456789/905794>
61. Savović Svetislav, Ivanović Miloš, Drljača, Branko, Simović Ana. Numerical Solution of the Sine–Gordon Equation by Novel Physics-Informed Neural Networks and Two Different Finite Difference Methods. (2024) *Axioms* 13(12), 872. DOI.org/10.3390/axioms13120872. <https://enauka.gov.rs/handle/123456789/955214>
62. Perović Aleksandar M, Ognjanović Zoran D, Stojanović Tatjana P. Logics for at most countable first-order structures. (2024) *Journal of logic and computation*. DOI 10.1093/logcom/exae067. <https://enauka.gov.rs/handle/123456789/943794>
63. Safi Ur Rehman Qamar, Virijević Katarina, Arsenijević Dejan, Avdović Edina, Živanović Marko, Filipović Nenad, Ćirić Andrija, Petrović Ivica. Silver nanoparticles from *Ocimum basilicum* L. tea: A green route with potent anticancer efficacy. (2024) *Colloid and Interface Science Communications* 59, 100771. DOI 10.1016/j.colcom.2024.100771. <https://enauka.gov.rs/handle/123456789/891827>
64. Krstić Lazar, Ivanović Miloš, Simić Visnja, Stojanović Boban. Evolutionary approach for composing a thoroughly optimized ensemble of regression neural networks. (2024) *Egyptian Informatics Journal* 28, 100581. DOI 10.1016/j.eij.2024.100581. <https://enauka.gov.rs/handle/123456789/952490>

65. Marjanović Jovana, Matić Jovana, Milanović Žiko, Divac Vera, Kosanić Marijana, Petković Miloš, Kostić Marina. Molecular modeling studies, in vitro antioxidant and antimicrobial assay and BSA affinity of novel benzyl-amine derived scaffolds as CYP51B inhibitors. (2024) *Molecular Diversity*. DOI 10.1007/s11030-024-11074-6. <https://enauka.gov.rs/handle/123456789/951951>
66. Virijević Katarina, Živanović Marko, Pavić Jelena, Dragačević Luka, Ljujić Biljana, Miletić Kovačević Marina, Papić Miloš, Živanović Suzana, Milenković Strahinja, Radojević Ivana, Filipović Nenad. Electrospun Gelatin Scaffolds with Incorporated Antibiotics for Skin Wound Healing. (2024) *Pharmaceuticals* 17(7), 851. DOI 10.3390/ph17070851. <https://enauka.gov.rs/handle/123456789/925049>
67. Summa F.F., Zanasi R., Đorđević S., Radenković S., Monaco G. On the Unusual Global Aromaticity of Two Cyclopenta-Ring-Fused Oligo(m-Phenylenes). (2024) *ChemPhysChem*, 25 (18), art. no. e202400342. DOI: 10.1002/cphc.202400342. <https://enauka.gov.rs/handle/123456789/936964>
68. Milović E., Trifinović Ristovski J.T., Stefanović S., Petronijević J., Joksimović N., Matić I.Z., Đurić A., Ilić B., Klisurić O., Radan M., Nikolić K., Janković N. Synthesis, in vitro anticancer activity, and pharmacokinetic profiling of the new tetrahydropyrimidines: Part I. (2024) *Archiv der Pharmazie*, 357 (11), art. no. e2400403. DOI: 10.1002/ardp.202400403. <https://enauka.gov.rs/handle/123456789/930488>
69. Veličković T., Marić S., Stanković D., Milošković A., Radenković M., Šanda R., Vukić J., Đuretanović S., Kojadinović N., Jakovljević M., Simić V. Sustainability Assessment of Brown Trout Populations in Serbia (Central Balkans) Using the Modified ESHIPPO Model. (2024) *Fishes*, 9 (11), art. no. 423. DOI: 10.3390/fishes9110423. <https://enauka.gov.rs/handle/123456789/942179>
70. Joksimović N., Petronijević J., Čočić D., Ristić M., Mihajlović K., Janković N., Milović E., Klisurić O., Petrović N., Kosanić M. Synthesis, characterization, and biological evaluation of novel cobalt(II) complexes with β -diketonates: crystal structure determination, BSA binding properties and molecular docking study. (2024) *Journal of Biological Inorganic Chemistry*, 29 (5), pp. 541 – 553. DOI: 10.1007/s00775-024-02069-7. <https://enauka.gov.rs/handle/123456789/929360>
71. Alizadeh Y., Gutman I., Nosratollahi S., Hussain Z. On Relations between Distance-Based Topological Indices. (2025) *MATCH*, 93 (2), pp. 509 – 520. DOI: 10.46793/match.93-2.509A. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204778227&doi=10.46793%2fmatch.93-2.509A&partnerID=40&md5=c01c64e34b52904e40ca8b872f58a79b>
72. Furtula B., Oz M.S. Complementary Topological Indices. (2025) *MATCH*, 93 (1), pp. 247 – 263. DOI: 10.46793/match.93-1.247F. <https://www.scopus.com/inward/record.uri?eid=2-s2.0->

[85198641726&doi=10.46793%2fmatch.93-1.247F&partnerID=40&md5=f0a5231a0ed81198360fd2f1b36e998d](https://doi.org/10.46793/match.93-1.247F&partnerID=40&md5=f0a5231a0ed81198360fd2f1b36e998d)

73. Ali A., Gutman I., Redžepović I., Mazorodze J.P., Albalahi A.M., Hamza A.E. On the Difference of Atom-Bond Sum-Connectivity and Atom-Bond-Connectivity Indices. (2024) MATCH, 91 (3), pp. 725 – 740. DOI: 10.46793/match.91-3.725A. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185514053&doi=10.46793%2fmatch.91-3.725A&partnerID=40&md5=10c50e9adc6b763c15b8e742c34e8f43>
74. Ali A., Gutman I., Furtula B., Redžepović I., Došlić T., Raza Z. Extremal Results and Bounds for Atom-Bond Sum-Connectivity Index. (2024) MATCH, 92 (2), pp. 271 – 314. DOI: 10.46793/match.92-2.271A. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191373333&doi=10.46793%2fmatch.92-2.271A&partnerID=40&md5=ef58fc11b9271ccd2c9183ed3843cbfc>
75. Gutman I., Furtula B., Redžepović I. On Topological Indices and Their Reciprocals. (2024) MATCH, 91 (2), pp. 287 – 297. DOI: 10.46793/match.91-2.287G. <https://enauka.gov.rs/handle/123456789/843774>
76. Gutman I., Redžepović I., Pantović S. Note on Some New (n, m)-Type Bounds for Graph Energy. (2024) MATCH, 91 (3), pp. 797 – 803. DOI: 10.46793/match.91-3.797G. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185504277&doi=10.46793%2fmatch.91-3.797G&partnerID=40&md5=ae31a9a80b15b244a7f411184bc0870d>
77. Gutman I. Editorial. (2024) MATCH, 91 (2), pp. 285 – 286. DOI: 10.46793/match.91-2.285G. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179082167&doi=10.46793%2fmatch.91-2.285G&partnerID=40&md5=57bb4ada51dc056422be1ba818ba84e3>
78. Babič K., Strojnik L., Čirić A., Ogrinc N. Optimization and validation of an HS-SPME/GC-MS method for determining volatile organic compounds in dry-cured ham. (2024) Frontiers in Nutrition, 11, art. no. 1342417. DOI: 10.3389/fnut.2024.1342417. <https://enauka.gov.rs/handle/123456789/897623>

M22 – укупно 67

1. Kačaniová M., Čmiková N., Vukovic N.L., Ban Z., Bianchi A., Garzoli S., Ben Saad R., Ben Hsouna A., Elizondo-Luévano J.H., Vukic M.D. *Eucalyptus globulus* essential oil as food preservative: Chemical composition, antimicrobial (*in vitro* and *in situ*), antibiofilm and insecticidal potential. (2024) South African Journal of Botany, 175, pp. 228 – 240. DOI: 10.1016/j.sajb.2024.10.022. <https://enauka.gov.rs/handle/123456789/943166>
2. Stanković M., Skaro Bogojevic S., Kljun J., Stevanović N.L., Milanović Ž., Lazic J., Vojnovic S., Turel I., Djuran M.I., Glišić B.Đ. Silver(I) complexes with antifungal drug

econazole: Structural characterization and antimicrobial activity study. (2025) Journal of Molecular Structure, 1321, art. no. 140118. DOI: 10.1016/j.molstruc.2024.140118. <https://enauka.gov.rs/handle/123456789/933436>

3. Shafiq N., Arshad M., Ali A., Rida F., Mohany M., Arshad U., Umar M., Milošević M. Integrated computational modeling and in-silico validation of flavonoids-Alliuocide G and Alliuocide A as therapeutic agents for their multi-target potential: Combination of molecular docking, MM-GBSA, ADMET and DFT analysis. (2024) South African Journal of Botany, 169, pp. 276 – 300. DOI: 10.1016/j.sajb.2024.04.031. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191325579&doi=10.1016%2fj.sajb.2024.04.031&partnerID=40&md5=7692078da6fd9681e0e4568f85d487d7>
4. Savović S., Aidinis K., Chen C., Min R. Theoretical investigation of the space division multiplexing capacity of multimode step-index plastic optical fibers. (2024) Optik, 311, art. no. 171945. DOI: 10.1016/j.ijleo.2024.171945. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197425213&doi=10.1016%2fj.ijleo.2024.171945&partnerID=40&md5=ff57bbeb905385ace5d2e6e78ff37b21>
5. Pantović B.V., Ašanin D.P., Perdih F., Radanović D.D., Turel I., Djuran M.I., Glišić B.Đ. Gallium(III) complexes with 1,3-pdta-type of ligands: The influence of an alkyl substituent in 1,3-propanediamine chain and the metal counter cation on the structural properties of the complex. (2024) Polyhedron, 258, art. no. 117045. DOI: 10.1016/j.poly.2024.117045. <https://enauka.gov.rs/handle/123456789/937643>
6. Stanković M.M., Ristivojević P.M., Ivković Đ.D., Milutinović M.G., Terzić J.N., Stefanović O.D. A comprehensive study on *Geranium robertianum* L. antibacterial potential. (2024) Journal of Applied Microbiology, 135 (5), art. no. lxae106. DOI: 10.1093/jambio/lxae106. <https://enauka.gov.rs/handle/123456789/937815>
7. Drljača B., Savović S., Simović A., Kovačević M.S., Djordjevich A., Kuzmanović L., Yussupova G., Aidinis K., Min R. Application of the power flow equation in modeling bandwidth in polymer optical fibers: a review. (2024) Optical and Quantum Electronics, 56 (4), art. no. 547. DOI: 10.1007/s11082-023-06206-5. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183585775&doi=10.1007%2fs11082-023-06206-5&partnerID=40&md5=b62c6e6e4d506b698784fd41beb71f4c>
8. Đorđević N.B., Vukajlović Tubić J., Milošević-Đorđević O., Mihailović V.B., Srećković N.Z., Rakonjac A.B., Simić S.B. Evaluation of Genotoxic and Hemolytic Effects of *Aphanizomenon flos-aquae* and *Microcystis aeruginosa* Biomass Extracts on Human Blood Cells *In Vitro*. (2024) Microorganisms, 12 (11), art. no. 2208. DOI: 10.3390/microorganisms12112208. <https://enauka.gov.rs/handle/123456789/945526>

9. Marjanović J., Arsenijević D., Kosanić M., Matić J., Bogdanović G., Kostić M., Divac V. Tyramine Derivatives as Versatile Pharmacophores With Potent Biological Properties: Sex Hormone–Binding Globulin Inhibition, Colon Cancer Antimigration, and Antimicrobial Activity. (2024) *Chemical Biology and Drug Design*, 104 (4), art. no. e70001. DOI: 10.1111/cbdd.70001. <https://enauka.gov.rs/handle/123456789/941029>
10. Shoukat W., Hussain M., Ali A., Shafiq N., Chughtai A.H., Shakoor B., Moveed A., Shoukat M.N., Milošević M., Mohany M. Design, synthesis, characterization and biological screening of novel thiosemicarbazones and their derivatives with potent antibacterial and antidiabetic activities. (2025) *Journal of Molecular Structure*, 1320, art. no. 139614. DOI: 10.1016/j.molstruc.2024.139614. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201675244&doi=10.1016%2fj.molstruc.2024.139614&partnerID=40&md5=9f2e416e7f06bc511ce68b886ac09077>
11. Janković N., Jeremić S., Matić J., Milović E., Kosanić M. Investigation of the antimicrobial potential of selected pyrido-dipyrimidines: A computational approach to Gyrase inhibition. (2024) *Journal of Molecular Structure*, 1315, art. no. 138940. DOI: 10.1016/j.molstruc.2024.138940. <https://enauka.gov.rs/handle/123456789/922478>
12. Kostić M., Marjanović J., Divac V. Organoselenium transition metal complexes as promising candidates in medicine area. (2024) *Journal of Biological Inorganic Chemistry*, 29 (6), pp. 555 – 571. DOI: 10.1007/s00775-024-02072-y. <https://enauka.gov.rs/handle/123456789/929666>
13. Habib S.S., Fazio F., Masud S., Ujan J.A., Saeed M.Q., Ullah M., Khan K., Khayyam K., Mohany M., Milošević M., Al-Rejaie S.S., Cravana C. Analyzing the impact of pesticides on the Indus river: contamination levels in water, sediment, fish, and associated human health risks. (2024) *Environmental Geochemistry and Health*, 46 (6), art. no. 191. DOI: 10.1007/s10653-024-01975-8. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191967439&doi=10.1007%2fs10653-024-01975-8&partnerID=40&md5=5bb210df94d422681ad8ec3148af2651>
14. Proos Vedin N., Escayola S., Radenković S., Solà M., Ottosson H. The n, π^* States of Heteroaromatics: When are They the Lowest Excited States and in What Way Can They Be Aromatic or Antiaromatic? (2024) *Journal of Physical Chemistry A*, 128 (22), pp. 4493 – 4506. DOI: 10.1021/acs.jpca.4c02580. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194287499&doi=10.1021%2fac.jpca.4c02580&partnerID=40&md5=ebb0b156fc1fdf3a3d83a6d64a6ff35a>
15. Branković J., Matejić V., Simijonović D., Petrović Z.D., Vukić M.D., Kacaniova M., Rakić S., Petrović V.P. Molecular encapsulation of the protocatechuic and vanillic acid derivatives with β -cyclodextrin: Structural determination, antibacterial assessment, and molecular docking analysis. (2024) *Journal of Molecular Structure*, 1312, art. no. 138615. DOI: 10.1016/j.molstruc.2024.138615. <https://enauka.gov.rs/handle/123456789/918091>

16. Pantelić N.Đ., Dimić D., Saoud M., Matović L.R., Stević S.J., Kasalović M.P., Dojčinović B., Zmejkovski B.B., Banjac N.R., Kaluđerović G.N. Triphenyltin(IV) compounds bearing modulated azo-carboxylato ligands: Synthesis, structural characterization, in vitro cytotoxicity, BSA/DNA binding affinity, and in silico studies. (2024) *Journal of Organometallic Chemistry*, 1013, art. no. 123158. DOI: 10.1016/j.jorganchem.2024.123158. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192683852&doi=10.1016%2fj.jorganchem.2024.123158&partnerID=40&md5=d7150542ef15a228df3ffb299c37ae1d>
17. Budečević S., Predojević D., Đorđević M., Vljajnić L., Stojković O., Stojković B., Savković U. Transgenerational Sub-Lethal Pyrethroid Exposure Affects Shape Variation and Fluctuating Asymmetry in Seed Beetles. (2024) *Symmetry*, 16 (8), art. no. 995. DOI: 10.3390/sym16080995. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202531931&doi=10.3390%2fsym16080995&partnerID=40&md5=df6e07177b90941dbc53aca57bf11d9c>
18. Abeer A.A.O., El Shamy E.A., Abd El-Wahed S.I.A., Mohany M., Milošević M., Al-Rejaie S.S., Ibrahim H.A.M., Farag A.E.-S.A. Biological activities of novel 2-pyrazolin-5-one derivatives and their toxicity on certain pests infesting field crops in laboratory conditions. (2024) *Journal of King Saud University - Science*, 36 (9), art. no. 103416. DOI: 10.1016/j.jksus.2024.103416. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85202808091&doi=10.1016%2fj.jksus.2024.103416&partnerID=40&md5=853179fabaff9a79a7ba827be17ce997>
19. Zoto K., Šešum-Čavić V., Pantović M., Todorčević V., Zoto M., Radenović S. A Unified Approach and Related Fixed-Point Theorems for Suzuki Contractions. (2024) *Symmetry*, 16 (6), art. no. 739. DOI: 10.3390/sym16060739. <https://enauka.gov.rs/handle/123456789/924106>
20. Stevanović N.L., Kljun J., Skaro Bogojević S., Sriram D., Zlatar M., Nikodinović-Runic J., Turel I., Djuran M.I., Glišić B.Đ. Silver(I) and gold(III) complexes with miconazole: The influence of the metal ion on the antimicrobial activity of the coordinated azole. (2025) *Inorganica Chimica Acta*, 574, art. no. 122393. DOI: 10.1016/j.ica.2024.122393. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205907172&doi=10.1016%2fj.ica.2024.122393&partnerID=40&md5=fa6f9aec49c47538326721c8655f6e9c>
21. Obradović R., Joksimović N., Janković N., Kosanić M., Matić J., Milović E., Bogdanović G.A., Petronijević J. Discovery of Schiff bases as potent antibacterial and antifungal agents. (2024) *New Journal of Chemistry*, 48 (40), pp. 17492 – 17499. DOI: 10.1039/d4nj02683g. <https://enauka.gov.rs/handle/123456789/939710>
22. Radisavljević S., Čović D., Petrović B., Kellner I., Ivanović-Burmazović I., Radenković N., Nikodijević D., Milutinović M. New dinuclear gold(III) complex with 1,5-

naphthyridine as bridging ligand: synthesis, characterization, DNA/BSA binding studies, and anticancer activity. (2024) Gold Bulletin, 57 (1-2), pp. 9 – 25. DOI: 10.1007/s13404-024-00344-8. <https://enauka.gov.rs/handle/123456789/905791>

23. Golovina A., Proia E., Fiorentino F., Yunin M., Kasatkina M., Zigangirova N., Soloveva A., Sysolyatina E., Ermolaeva S., Novikov R., Silonov S., Pushkin S., Mladenović M., Isakova J., Belik A., Nawrozki M., Rotili D., Ragno R., Ivanov R. (Heteroarylmethyl)benzoic Acids as a New Class of Bacterial Cystathionine γ -Lyase Inhibitors: Synthesis, Biological Evaluation, and Molecular Modeling. (2024) ACS Infectious Diseases, 10 (6), pp. 2127 – 2150. DOI: 10.1021/acsinfecdis.4c00136. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194084452&doi=10.1021%2facsinfecdis.4c00136&partnerID=40&md5=f568ce3c93503cede6785d4037b2fb25>
24. Stojković D.L., Avdović E.H., Đukić M.B., Jevtić V.V., Petrović Đ.S., Jelić R.M., Jurišević M., Gajović N., Marković V., Arsenijević A., Jovanović I., Radojević I.D., Jovičić Milić S.S. Synthesis, comprehensive characterization and investigation of biological properties of newly synthesized Pt(II)-aminothiazole complexes: Combining experimental and computational approach. (2025) Journal of Organometallic Chemistry, 1023, art. no. 123411. DOI: 10.1016/j.jorganchem.2024.123411. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207871442&doi=10.1016%2fj.jorganchem.2024.123411&partnerID=40&md5=050a6d8ec1454cdeb6b7079a002d9345>
25. Zeng Z., Chen C., Wu X., Savović S., Soltani M.D., Safari M., Haas H. Interference mitigation using optimised angle diversity receiver in LiFi cellular network. (2025) Optics Communications, 574, art. no. 131125. DOI: 10.1016/j.optcom.2024.131125. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204908497&doi=10.1016%2fj.optcom.2024.131125&partnerID=40&md5=30c3a3c899cccf30fb6b09b83ed956d5>
26. Alshammari W.B., Alshammery K., Lotfi S., Altamimi H., Alshammari A., Al-Harbi N.A., Jakovljević D., Alharbi M.H., Moustapha M.E., Abd El-Moneim D., Abdelaal K. Improvement of morphophysiological and anatomical attributes of plants under abiotic stress conditions using plant growth-promoting bacteria and safety treatments. (2024) PeerJ, 12 (4), art. no. e17286. DOI: 10.7717/peerj.17286. <https://enauka.gov.rs/handle/123456789/930419>
27. Cimbaljević Z., Dragnić R., Radonjić S., Marković V.M., Stevanović N., Krstić D., Ruixue H. Methodology of integrated measurements with radon diffusion chamber. (2024) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1068, art. no. 169741. DOI: 10.1016/j.nima.2024.169741. <https://enauka.gov.rs/handle/123456789/929592>

28. Marinović Z., Đuretanić S. Novel Aspects in Freshwater Fauna Conservation. (2024) *Diversity*, 16 (11), art. no. 663. DOI: 10.3390/d16110663. <https://enauka.gov.rs/handle/123456789/952768>
29. Bănađuc D., Curtean-Bănađuc A., Barinova S., Lozano V.L., Afanasyev S., Leite T., Branco P., Gomez Isaza D.F., Geist J., Tegos A., Simić S.B., Olosutean H., Cianfanglione K. Correction to: Multi-Interacting Natural and Anthropogenic Stressors on Freshwater Ecosystems: Their Current Status and Future Prospects for 21st Century. (2024) *Water (Switzerland)*, 16 (15), art. no. 2193. DOI: 10.3390/w16152193. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85200732912&doi=10.3390%2fw16152193&partnerID=40&md5=62c96c6f19b009b99349ca92925d9b27>
30. Todosijević A., Bugarinović J., Pešić M., Stevanović D., Damljanović I., Mihailović V., Srećković N., Novaković S.B., Bogdanović G.A. Synthesis, characterization, and antimicrobial activity of novel ferrocene-containing 1-(thio)acetyl pyrazolines. (2024) *Polyhedron*, 258, art. no. 117028. DOI: 10.1016/j.poly.2024.117028. <https://enauka.gov.rs/handle/123456789/919213>
31. Nie Y., Chen C., Savović S., Wang Z., Min R., You X., Zeng Z., Shen G. 0.5-bit/s/Hz fine-grained adaptive OFDM modulation for bandlimited underwater VLC. (2024) *Optics Express*, 82 (3), pp. 4537 – 4552. DOI: 10.1364/OE.513682. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183820532&doi=10.1364%2fOE.513682&partnerID=40&md5=b48985901bbf53b218f719403847a284>
32. Vesović M., Jelić R., Nikolić M., Nedeljković N., Živanović A., Bukonjić A., Mrkalić E., Radić G., Ratković Z., Kljun J., Tomović D. Investigation of the interaction between S-isoalkyl derivatives of the thiosalicylic acid and human serum albumin. (2024) *Journal of Biomolecular Structure and Dynamics*. DOI: 10.1080/07391102.2024.2301745. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181738392&doi=10.1080%2f07391102.2024.2301745&partnerID=40&md5=d5283198fc627883ed15bb4deb6cd0a9>
33. Capponi T., Weigel J., Čoćić 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. (2024) *Journal of Coordination Chemistry*, 77 (7-8), pp. 843 – 854. DOI: 10.1080/00958972.2023.2289865. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179929140&doi=10.1080%2f00958972.2023.2289865&partnerID=40&md5=989c23ce0b78f4a842768ced3c135954>
34. Simović A., Savović S., Wang Z., Drljača B., Kovačević M.S., Kuzmanović L., Djordjevich A., Aidinis K., Chen C. Wavelength dependent transmission in multimode graded-index microstructured polymer optical fibers. (2024) *Frontiers in Physics*, 12, art.

no. 1340505. DOI: 10.3389/fphy.2024.1340505.
<https://enauka.gov.rs/handle/123456789/939135>

35. Zornić S., Marković B.S., 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. (2024) *Journal of Biological Inorganic Chemistry*, 29 (1), pp. 51 – 73. DOI: 10.1007/s00775-023-02030-0. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179670767&doi=10.1007%2fs00775-023-02030-0&partnerID=40&md5=d0ca649a81132bbe82d41128d43cd17a>
36. Delibašić-Marković H., Petrović V., Petrović I. Impact of coulomb interactions on ionization rates of noble gases in multi-cycle laser fields. (2024) *Romanian Reports in Physics*, 76 (1), art. no. 201. DOI: 10.59277/RomRepPhys.2024.76.201. <https://enauka.gov.rs/handle/123456789/937986>
37. Antonijević M.R., Avdović E.H., Simijonović D., Milanović Ž., Klisurić O.R., Alberto M.E., Russo N., Vojinović R., Marković Z.S. Comprehensive Experimental and Computational Analysis of the Structural and HSA Binding Properties of Newly Synthesized Coumarin-Trimethoxybenzohydrazide Derivative. (2024) *Polycyclic Aromatic Compounds*, 44 (10), pp. 7006 – 7030. DOI: 10.1080/10406638.2024.2339846. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190952382&doi=10.1080%2f10406638.2024.2339846&partnerID=40&md5=fc8cb568f9cb313b2f6276f6a8692f32>
38. Sarkar I., Nanjappa M., Gutman I. Extremal reformulated forgotten index of trees, unicyclic and bicyclic graphs. (2024) *Filomat*, 38 (1), pp. 25 – 32. DOI: 10.2298/FIL2401025S. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173984130&doi=10.2298%2fFIL2401025S&partnerID=40&md5=81c8cefc8c4d2c3361ab083390260a88>
39. Raković I., Čočić 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. (2024) *Journal of Coordination Chemistry*, 77 (7-8), pp. 730 – 749. DOI: 10.1080/00958972.2023.2256934. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171589813&doi=10.1080%2f00958972.2023.2256934&partnerID=40&md5=0132a06e8fe4fe243761274ce150e46a>
40. 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. (2024) *Journal of Coordination Chemistry*, 77 (7-8), pp. 619 – 637. DOI: 10.1080/00958972.2023.2271119.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174279108&doi=10.1080%2f00958972.2023.2271119&partnerID=40&md5=7cbf2a97030a8cb46465601e05f13d95>

41. Gutman I., Furtula B., Oz M.S. Geometric approach to vertex-degree-based topological indices–Elliptic Sombor index, theory and application. (2024) International Journal of Quantum Chemistry, 124 (2), art. no. e27346. DOI: 10.1002/qua.27346. <https://enauka.gov.rs/handle/123456789/877636>
42. Amouri R.E.L., Ujan J.A., Raza A., Mushtaq A., Saeed M.Q., Masud S., Habib S.S., Milošević M., Al-Rejaie S.S., Mohany M. Sublethal Concentrations of Cadmium and Lead: Effects on Hemato-Biochemical Parameters and Tissue Accumulation in Wallagu attu. (2024) Biological Trace Element Research. DOI: 10.1007/s12011-024-04158-9. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188813698&doi=10.1007%2fs12011-024-04158-9&partnerID=40&md5=df227f8d839e48e6238126a22c34d271>
43. Vučenović I., Gitarić J., Waržajtis B., Radanović D.D., Drašković N.S., Glišić B.Đ., Rychlewska U., Djuran M.I. Cobalt(III) complexes with (±)-1,3-pentanediamine-N,N,N',N'-tetraacetate. The influence of nature of alkali and alkaline earth metal counter cations on the supramolecular association of the complex. (2024) Journal of Coordination Chemistry, 77 (7-8), pp. 786 – 804. DOI: 10.1080/00958972.2024.2323558. <https://enauka.gov.rs/handle/123456789/939176>
44. Savović S., Djordjevich A., Aidinis K., Chen C., Min R. New method for the investigation of mode coupling in graded-index polymer photonic crystal fibers using the Langevin stochastic differential equation. (2024) Frontiers in Physics, 12, art. no. 1479206. DOI: 10.3389/fphy.2024.1479206. <https://enauka.gov.rs/handle/123456789/938554>
45. Marković K., Kesić A., Novaković M., Grujović M., Simijonović D., Avdović E.H., Matić S., Paunović M., Milutinović M., Nikodijević D., Stefanović O., Marković Z. Biosynthesis and characterization of silver nanoparticles synthesized using extracts of *Agrimonia eupatoria* L. and *in vitro* and *in vivo* studies of potential medicinal applications. (2024) RSC Advances, 14 (7), pp. 4591 – 4606. DOI: 10.1039/d3ra07819a. <https://enauka.gov.rs/handle/123456789/889224>
46. Koračević G., Stojanović M., Zdravković M., Lović D., Simić D., Mladenović K. Proposal of a Modified Classification of Hypertensive Crises: Urgency, Impending Emergency, and Emergency. (2024) Current Vascular Pharmacology, 22 (3), pp. 180 – 186. DOI: 10.2174/0115701611270174231204110557. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197540679&doi=10.2174%2f0115701611270174231204110557&partnerID=40&md5=4442786d8c513e1cedf1f79b20eb155d>
47. Čkrkić J., Petrović A., Kocić K., Mitrovski-Bogdanović A., Tomanović Ž. It's time for Africa - hidden diversity of the *Aphidius colemani* species group (Hymenoptera,

Braconidae, Aphidiinae) south of the Sahara. (2024) Bulletin of Entomological Research. DOI: 10.1017/S0007485324000257. <https://enauka.gov.rs/handle/123456789/917658>

48. Zornić S., Simović Marković B., Franich A.A., Živković M.D., Luković B., Arsenijević N.N., Radosavljević G.D., Rajković S., Pantić J. Synthesis, characterization, DNA/BSA-binding affinity and biological activity of dinuclear palladium(II) complexes with aromatic N-heterocyclic bridging ligand. (2024) Journal of Coordination Chemistry, 77 (7-8), pp. 710 – 729. DOI: 10.1080/00958972.2023.2301402. <https://enauka.gov.rs/handle/123456789/880668>
49. Ćočić D., Yang L., Puchta R., Shi T., van Eldik R. Investigation of the complete encapsulation process of the noble gases by cryptophanes. (2024) Journal of Computational Chemistry. DOI: 10.1002/jcc.27519. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207580742&doi=10.1002%2fjcc.27519&partnerID=40&md5=0dcd02b43c4a4a864a1a31416b80e412>
50. Capponi T., Bason C., Ćočić D., Puchta R., van Eldik R. Hybridization makes the difference: [2Oxa.2Oxa.2Oxa] a sp²-Carbon dominated Lehn-type cryptand - Prediction of ion selectivity by quantum chemical calculations. XVIII. (2024) Journal of Coordination Chemistry, 77 (11), pp. 1266 – 1274. DOI: 10.1080/00958972.2024.2367223. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197578294&doi=10.1080%2f00958972.2024.2367223&partnerID=40&md5=8c629e1d65321148a8dc143767ed6dff>
51. Nikodijević D.D., Jovankić J.V., Radenković N.M., Cvetković D.M., Podolski-Renić A.M., Milutinović M.G. Potential of Melittin to induce apoptosis and overcome multidrug resistance in human colon cancer cell line. (2024) Toxin Reviews, 43 (2), pp. 224 – 235. DOI: 10.1080/15569543.2024.2317294. <https://enauka.gov.rs/handle/123456789/893933>
52. 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. (2024) Journal of Coordination Chemistry, 77 (7-8), pp. 653 – 669. DOI: 10.1080/00958972.2023.2296382. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180172388&doi=10.1080%2f00958972.2023.2296382&partnerID=40&md5=5778a7e91b7885e3359f61f42d625165>
53. Veličković T., Snoj A., Bravničar J., Simić V., Šanda R., Vukić J., Barcytè D., Stanković D., Marić S. Population-genetics analysis of the brown trout broodstock in the "Panjica" hatchery (Serbia) and its conservation applications. (2024) Knowledge and Management of Aquatic Ecosystems, (425), art. no. 19. DOI: 10.1051/kmae/2024014. <https://enauka.gov.rs/handle/123456789/942349>
54. Međedović M., Ćočić D., Mijatović A., Simić V., Milanović Ž., Kosanić M., Petrović N., Sretenović S., Simović A.R. *In silico* and *in vitro* biological evaluation: distribution of

Ru(III) Schiff base complexes through the pancreatic 3D model and immersed blood vessel network. (2024) *Journal of Coordination Chemistry*, 77 (7-8), pp. 766 – 785. DOI: 10.1080/00958972.2024.2303736. <https://enauka.gov.rs/handle/123456789/877547>

55. Radenković N., Milutinović M., Nikodijević D., Jovankić J., Jurišić V. Sample Preparation of Adherent Cell Lines for Flow Cytometry: Protocol Optimization—Our Experience with SW-480 colorectal cancer cell line. (2024) *Indian Journal of Clinical Biochemistry*. DOI: 10.1007/s12291-023-01161-0. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182192759&doi=10.1007%2fs12291-023-01161-0&partnerID=40&md5=f825194d35d3072b2521230c1e75acc1>
56. Azjargal E., Horoldagva B., Gutman I. Minimum of Product of Wiener and Harary Indices. (2024) *Match*, 92 (1), pp. 65 – 71. DOI: 10.46793/match.92-1.065A. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185460158&doi=10.46793%2fmatch.92-1.065A&partnerID=40&md5=68724f85f8a01350b2411a8e31ad8029>
57. Timotijević M.Ž., Živaljević R.T., Jevtić F.D. Polytopality of Simple Games. (2024) *Experimental Mathematics*. DOI: 10.1080/10586458.2024.2379802. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201057046&doi=10.1080%2f10586458.2024.2379802&partnerID=40&md5=1a7658a569b6cc479b7d0c7cf095445c>
58. Marković Aleksandra, Grujičić Darko, Živković Radojević Marija, Milošević-Đordjević Olivera. Measurement of chromosomal instability and level of DNA damage in peripheral blood mononuclear cells of endometrial cancer patients. (2024) *Mutagenesis* 39(3) pp. 172 – 180. DOI 10.1093/mutage/geae003. <https://enauka.gov.rs/handle/123456789/923373>
59. Simović Predrag, Milosavljević Aleksandar, Stojanović Katarina, Savić Zdravković, Dimitrija, Petrović Ana, Predić, Bratislav, Milošević Đurađ. The Effects of Data Quality on Deep Learning Performance for Aquatic Insect Identification: Advances for Biomonitoring Studies. (2024) *Water* 17(1). DOI 10.3390/w17010021. <https://enauka.gov.rs/handle/123456789/958729>
60. Ramović Hamzagić Amra, Cvetković Danijela, Gazdić Janković Marina, Milivojević Dimitrijević Nevena, Nikolić Dalibor, Živanović Marko, Kastratović Nikolina, Petrović Ivica, Nikolić Sandra, Jovanović Milena, Šeklić Dragana, Filipović Nenad, Ljujić Biljana. Modeling 5-FU-Induced Chemotherapy Selection of a Drug-Resistant Cancer Stem Cell Subpopulation. (2024) *Current Oncology* 31(3) pp. 1221 – 1234. DOI 10.3390/currenol31030091. <https://enauka.gov.rs/handle/123456789/894951>
61. Manić Vesna, Manić Goran, Radojković Branko, Bojić Bojan, Stojanović Miloš, Krstić Dragana, Nikezić Dragoslav. Radon in a spa in Serbia, a case study. (2024) *Journal of radioanalytical and nuclear chemistry* 333 pp. 6267–6271. DOI 10.1007/s10967-024-09756-4. <https://enauka.gov.rs/handle/123456789/934167>

62. Timotijević Marinko, Živaljević Rade T. Constructing self-dual complexes and self-dual triangulations of manifolds. (2024) *Filomat* 38(6) pp. 2045 – 2060. DOI 10.2298/FIL2406045T. <https://enauka.gov.rs/handle/123456789/879108>
63. Kačaniová Miroslava, Vukić Milena, Čmiková Natália, Bianchi Alessandro, Garzoli Stefania, Saad Rania Ben, Hsouna Anis Ben Kluz, Maciej Ireneusz, Waszkiewicz-Robak Bożena, Branković Jovica, Vuković Nenad. Exploring the Bioactive Potential of *Pinus mugo* Turra Essential Oil: Volatile Composition, Antioxidant, Antimicrobial, Antibiofilm and Insecticidal Activities. (2024) *Flavour and Fragrance Journal* 0, pp. 1 – 16. DOI 10.1002/ffj.3838. <https://enauka.gov.rs/handle/123456789/952153>
64. Watabe H., Yu P.K.N., Tse G., Krstic D., Nikezic D., Rafiqul Islam M., Wei Z., Wei Y., Shahmohammadi Beni M. Monte Carlo modelling of cyclotron and radioisotope center (CYRIC) at Tohoku University: a radiation protection study. (2024) *Journal of Radiological Protection*, 44 (2), art. no. 021521. DOI: 10.1088/1361-6498/ad5450. <https://enauka.gov.rs/handle/123456789/937712>
65. EL-BANNA H.Y., ALASKAR A.A., JAKOVLJEVIĆ D.Z., ABDELAAL K., HAROUN S.A., ABU-ZIADA L.M., ABBAS M.A., GAMEL R.M.E. Essential oil constituents and secondary metabolites of *Mentha viridis* under tissue culture technique using violet visible light emitting diodes (LEDs). (2024) *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 52 (2), art. no. 13684. DOI: 10.15835/nbha52213684. <https://enauka.gov.rs/handle/123456789/934427>
66. Furtula B., Oz M.S. On properties of the first inverse Nirmala index. (2024) *Journal of Mathematical Chemistry*. DOI: 10.1007/s10910-024-01665-x. <https://enauka.gov.rs/handle/123456789/932659>
67. Radenković S., Đorđević S., Nikolendžić M. Effect of Benzo-Annelation on Triplet State Energies in Polycyclic Conjugated Hydrocarbons. (2024) *Chemistry - A European Journal*, 30 (29), art. no. e202400361. DOI: 10.1002/chem.202400361. <https://enauka.gov.rs/handle/123456789/937283>

M23 – укупно 40

1. Pešić S.B., Borovec R. *Omiamima tarensis* Pešić & Borovec sp. nov. (Coleoptera: Curculionidae, Entiminae) from Tara Mountain in Serbia. (2024) *Zootaxa*, 5541 (1), pp. 51 – 60. DOI: 10.11646/zootaxa.5541.1.2. <https://enauka.gov.rs/handle/123456789/952832>
2. Tomasevic S., Anic M., Arsic B., Gakovic B., Filipovic N., Djukic T. Software that combines deep learning, 3D reconstruction and CFD to analyze the state of carotid arteries from ultrasound imaging. (2024) *Technology and Health Care*, 32 (4), pp. 2553 – 2574. DOI: 10.3233/THC-231306. <https://enauka.gov.rs/handle/123456789/894833>
3. Radojević I.D., Ćirković K.G., Grujović M.Ž., Mladenović K.G., Ostojić A.M. Characterization of Bacterial Isolates from Tailings Pond and Their Resistance to Heavy

Metals and Antibiotics. (2024) *Applied Biochemistry and Microbiology*, 60 (2), pp. 347 – 357. DOI: 10.1134/S0003683824020157. <https://enauka.gov.rs/handle/123456789/906692>

4. Popović F.J., Stojanović M.M., Sekulić J.M., Trakić T.B. Synonymy between two little-known Balkan endemic species within the genus *Allolobophora* Eisen, 1873, *sensu lato* (Clitellata: Lumbricidae). (2024) *Acta Zoologica Bulgarica*, 76 (1), pp. 139 – 142. <https://enauka.gov.rs/handle/123456789/902711>
5. Piperac P., Terzić-Supić Z., Maksimović A., Todorović J., Karić S., Soldatović I., Cvjetković S., Jeremić-Stojković V., Petričević S. Burnout syndrome among preschool teachers in Serbia [Sindrom izgaranja u odgajatelja djece predškolske dobi u Srbiji]. (2024) *Arhiv za higijenu rada i toksikologiju*, 75 (2), pp. 116 – 124. DOI: 10.2478/aiht-2024-75-3825. <https://enauka.gov.rs/handle/123456789/939547>
6. Simović A., Savović S., Drljača B., Kovačević M.S., Kuzmanović L., Djordjevich A., Aidinis K., Chen C., Min R. Influence of launch light beam conditions on the bandwidth in multimode graded-index microstructured POFs. (2024) *Applied Optics*, 63 (22), pp. 5926 – 5930. DOI: 10.1364/AO.531049. <https://enauka.gov.rs/handle/123456789/938246>
7. Ferrari P., Venturi G., Campani L., Mariotti F., Becker F., Jansen J., Jovanović Z., Krstić D., Teles P. Medical staff monitoring in interventional cardiology: over apron dosimeter placement based on measurements and simulations. (2024) *Radiation Protection Dosimetry*, 200 (8), pp. 802 – 807. DOI: 10.1093/rpd/ncae125. <https://enauka.gov.rs/handle/123456789/938288>
8. Radosavljević S.L., Popović F.J., Stojanović M.M., Sekulić J.M., Trakić T.B. Diversity and Zoogeographic Affinities of Earthworms (Clitellata: Lumbricidae) in Kosovo and Metohia. (2024) *Acta Zoologica Bulgarica*, 76 (1), pp. 23 – 33. <https://enauka.gov.rs/handle/123456789/902693>
9. Bovan D., Krajnović T., Vuković N.L., Vukić M.D., Mijatović S., Tanić N., Arsenijević N., Maksimović-Ivanić D. Anoikis and cancer cell differentiation: novel modes of shikonin derivatives anticancer action *in vitro*. (2024) *Molecular Biology Reports*, 51 (1), art. no. 218. DOI: 10.1007/s11033-023-09093-x. <https://enauka.gov.rs/handle/123456789/898706>
10. Jelić R., Mrkalić E., Ćendić-Serafinović M., Odović J., Sovrlić M. Linamarin Binding to Human Serum Albumin. A Spectroscopic and Molecular Docking Approach. (2024) *ChemistrySelect*, 9 (35), art. no. e202401946. DOI: 10.1002/slct.202401946. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203598454&doi=10.1002%2fslct.202401946&partnerID=40&md5=1f2d8765e3f0b0dcfd5c6fba6ffcf310>
11. Aksentijević A., Aleksić S., Pilipović S. The structure of shift-invariant subspaces of Sobolev spaces. (2024) *Theoretical and Mathematical Physics (Russian Federation)*, 218 (2), pp. 177 – 191. DOI: 10.1134/S0040577924020016. <https://enauka.gov.rs/handle/123456789/937895>

12. Stefanović O.D., Rakonjac A.B., Nikodijević D.D., Milojević S.D., Dinić A., Simić S.B. Freshwater algae *Cladophora glomerata* and *Vaucheria* sp. from Serbia as sources of bioactive compounds: chemical analysis and biological activities. (2024) Archives of Biological Sciences, 76 (2), pp. 175 – 189. DOI: 10.2298/ABS240215012S. <https://enauka.gov.rs/handle/123456789/918229>
13. Radojevic D.N., Todorovic M.S., Vitosevic K.M., Canovic V., Pavicevic M., Slovic Z.S., Andric I.M., Matic S., Todorovic D.V. The changes in tissue histomorphology and quality of DNA in healthy human autopsied tissues stored at -20 °C and -150 °C. (2024) Legal Medicine, 67, art. no. 102396. DOI: 10.1016/j.legalmed.2024.102396. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182885003&doi=10.1016%2fj.legalmed.2024.102396&partnerID=40&md5=c30c9767784525d06b38880b37eda4df>
14. Delibašić Marković H., Kaleris K., Papadogiannis N.A., Petrović V. Comparative analytical and numerical investigation of the plasma density in atmospheric air generated by nanosecond laser pulses. (2024) Laser Physics Letters, 21 (3), art. no. 033001. DOI: 10.1088/1612-202X/ad1cd9. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182777294&doi=10.1088%2f1612-202X%2fad1cd9&partnerID=40&md5=6b913c7f68cbac77046faf96c703912b>
15. Watabe H., Sato T., Yu K.N., Zivkovic M., Krstic D., Nikezic D., Kim K.M., Yamaya T., Kawachi N., Tanaka H., Haque A.K.F., Islam M.R., Beni M.S. Development of DynamicMC for PHITS Monte Carlo package. (2024) Radiation Protection Dosimetry, 200 (2), pp. 130 – 142. DOI: 10.1093/rpd/ncad278. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185399012&doi=10.1093%2frpd%2fncad278&partnerID=40&md5=c7fcf70ff643e606b8bd67603f7d6029>
16. Kosanić M., Petrović N., Šeklić D., Živanović M., Kokanović M. Bioactivities and Medicinal Value of the Fruiting Body Extracts of *Laetiporus sulphureus* and *Meripilus giganteus* Polypore Mushrooms (Agaricomycetes). (2024) International Journal of Medicinal Mushrooms, 26 (1), pp. 17 – 26. DOI: 10.1615/IntJMedMushrooms.2023051297. <https://enauka.gov.rs/handle/123456789/919077>
17. Glišić R.M., Brković D.L., Grbović F.J., Mladenović J.D., Rajčić V.R., Marin M.A., Branković S.R. Metal bioaccumulation and translocation potential of three herbal plant species at mine tailings. (2024) Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 52 (3), art. no. 13140. DOI: 10.15835/nbha52313140. <https://enauka.gov.rs/handle/123456789/931877>
18. Radović Jakovljević M., Grujičić D., Stanković M., Milošević-Djordjević O. *Artemisia vulgaris* L., *Artemisia alba* Turra and their constituents reduce mitomycin C-induced genomic instability in human peripheral blood lymphocytes *in vitro*. (2024) Drug and

Chemical Toxicology, 47 (2), pp. 156 – 165. DOI: 10.1080/01480545.2022.2154358.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144196792&doi=10.1080%2f01480545.2022.2154358&partnerID=40&md5=55374fd49518b1f2f3d0f6c5547bd3d>

19. Đorđević J., Pavlović A., Mihajlović G., Hinić D., Vojvodić J., Živanović M., Pavlović D. Assessing Theory of Mind Abilities in Schizophrenia and Bipolar Disorder: A Psychometric Study of the Faux Pas Recognition Test in Serbian* [Procena sposobnosti teorije uma kod shizofrenije i bipolarnog poremećaja: Psihometrijska studija Testa prepoznavanja društvenih grešaka (the Faux Pas Recognition Test) na srpskom jeziku]. (2024) Psihologija, 57 (4), pp. 373 – 391. DOI: 10.2298/PSI220824006D.
<https://enauka.gov.rs/handle/123456789/895820>
20. Manić V., Manić G., Radojković B., Bojić B., Stojanović M., Krstić D., Nikezić D. Radon in a spa in Serbia, a case study. (2024) Journal of Radioanalytical and Nuclear Chemistry. DOI: 10.1007/s10967-024-09756-4. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203983792&doi=10.1007%2fs10967-024-09756-4&partnerID=40&md5=b2baca9972c79a76263fc070bbf31167>
21. Birinji A., Lalošević D., Mihaljev Z., Pogrmić-Majkić K., Radovanović A., Glišić R., Marin M. Impact of Arsenic on Mouse Ovaries over Three Generations. (2024) Acta Veterinaria, 74 (1), pp. 60 – 70. DOI: 10.2478/acve-2024-0005.
<https://enauka.gov.rs/handle/123456789/918476>
22. Petrović N., Tosti T., Sribljak I., Đurić A., Simić Z., Kosanić M. Analysis of the Chemical and Medicinal Properties of *Armillaria ostoyae* (Agaricomycetes) Extracts and the Presence of Heavy Metals in Dry Basidiocarps. (2024) International Journal of Medicinal Mushrooms, 26 (9), pp. 33 – 50. DOI: 10.1615/IntJMedMushrooms.2024054187.
<https://enauka.gov.rs/handle/123456789/935225>
23. Grbović Ćirić M., Djordjević J., Nešovic E. On Null Cartan Rectifying Isophotic and Rectifying Silhouette Curves Lying on a Timelike Surface in Minkowski Space E31. (2024) International Electronic Journal of Geometry, 17 (1), pp. 171 – 183. DOI: 10.36890/IEJG.1447199. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85191401857&doi=10.36890%2fIEJG.1447199&partnerID=40&md5=02cdfb64155353c6a5acae0729279be4>
24. Sarkar I., Nanjappa M., Gutman I. Bounds on Sombor Index for Corona Products on R-Graphs. (2024) Communications in Combinatorics and Optimization, 9 (1), pp. 101 – 117. DOI: 10.22049/cco.2022.27904.1391. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185515894&doi=10.22049%2fccco.2022.27904.1391&partnerID=40&md5=c7c410d21df03d1f0744f71bb0678302>
25. Marjanović J.S., Petrović N., Kosanić M., Košarić J., Mirić A., Milivojević N., Kostić M.D., Divac V.M. Tryptamine-Derived Schiff Bases: Potent Antimicrobial Agents and

Evaluation of Cytotoxicity, ADME and DNA Binding Properties. (2024) Chemistry and Biodiversity. DOI: 10.1002/cbdv.202401699.
<https://enauka.gov.rs/handle/123456789/943282>

26. Mohany M., Ali J., Wahab A., Fozia F., Shah S.M., Gul R., Gul A., Ahmad I., Milošević M., Al-Rejaie S.S., Aboul-Soud M.A.M. Green synthesized AgNPs of the *Anchusa arvensis* aqueous extract resulting in impressive protein kinase, antioxidant, antibacterial, and antifungal activities. (2024) Zeitschrift fur Naturforschung - Section C Journal of Biosciences. DOI: 10.1515/znc-2024-0148.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205532585&doi=10.1515%2fznc-2024-0148&partnerID=40&md5=a06c0044836c0f9776bbdda0385aa5da>
27. 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. (2024) Research in Microbiology, 175 (3), art. no. 104092. DOI: 10.1016/j.resmic.2023.104092. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171355910&doi=10.1016%2fj.resmic.2023.104092&partnerID=40&md5=872f81bd2855ffd1cb58a6ec1ce985c7>
28. Jeknić-Dugić J., Arsenijević M., Dugić M. On Existence of Quantum Trajectories for the Linear Deterministic Processes. (2024) International Journal of Theoretical Physics, 63 (3), art. no. 69. DOI: 10.1007/s10773-024-05610-1.
<https://enauka.gov.rs/handle/123456789/937325>
29. Weinert C., Ćočić D., Puchta R., van Eldik R. Effective encapsulation of noble and small gases and molecules by tubularene molecule. (2024) Zeitschrift fur Anorganische und Allgemeine Chemie, 650 (3), art. no. e202300216. DOI: 10.1002/zaac.202300216.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179693931&doi=10.1002%2fzaac.202300216&partnerID=40&md5=046879806cf30376a29599aba7ffbe86>
30. Gutman I. Improved Estimates of Sombor Index. (2024) Iranian Journal of Mathematical Chemistry, 15 (1), pp. 1 – 5. DOI: 10.22052/IJMC.2023.253825.1782.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195033845&doi=10.22052%2fIJMC.2023.253825.1782&partnerID=40&md5=d413f7c46622377da9ecc95ca5d2af13>
31. Cvjetković-Bošnjak Mina, Kuljančić Dušan, Vejnović Ana-Marija, Hinić Darko, Knežević Vladimir, Ratković Dragana, Bosić Vanja, Vasić Vesna, Šakić Branislav, Segan Darja, Savić Predrag, Abazović Minja, Čomić Maša, Siladi Đendi, Simić-Panić Dusica, Ivetić-Poledica Olga. Rates of Vaccination against COVID-19 in Psychiatric Outpatients. (2024) Journal of personalized medicine 14(7). DOI 10.3390/jpm14070748.
<https://enauka.gov.rs/handle/123456789/937033>

32. Stojadinović Nevena, Mihajlović Goran, Spasić Marko, Mladenović Milena, Hinić Darko. The Coping Styles and Perception of Illness in Patients with Breast Cancer-Relation to Body Image and Type of Surgery. *Psycho-Oncologie* 18(3) pp. 159 – 168. DOI 10.32604/po.2024.050122. <https://enauka.gov.rs/handle/123456789/941291>
33. Rakonjac Aleksandra, Simić Snežana. New ecological notes on the freshwater chrysophycean alga *Hydrurus foetidus* (Chrysophyceae, Heterokontophyta): a study from Serbia (Southeast Europe). (2024) *Oceanological and Hydrobiological Studies* 53(4) pp. 375 – 385. DOI 10.26881/oahs-2024.4.05. <https://enauka.gov.rs/handle/123456789/955142>
34. Maksimović Aleksandra, Milenković Aleksandar, Stašević Filip. Percepcije o nastavnim predmetima i postignuća učenika kao činioci usmerenja ka matematici i prirodnim naukama u gimnaziji. (2024) *Inovacije u nastavi - časopis za savremenu nastavu* 37(3) pp. 29 – 42. DOI 10.5937/inovacije2403029M. <https://enauka.gov.rs/handle/123456789/942808>
35. Stašević Filip, Bubanja Andrea, Maksimović Aleksandra, Đurđević-Nikolić Jelena. Chemistry educational outcomes and standards in Serbia and Montenegro. Analysis of the teachers' attitudes and high school students' achievements. (2024) *Journal of the Serbian Chemical Society* 89(11) pp. 1507 – 1524. DOI 10.2298/JSC231227069S. <https://enauka.gov.rs/handle/123456789/952152>
36. Đelić Gorica, Pavlović Milica, Stanković Marina M, Đukić Nevena, Marković Stefan M, Stefanović Olgica D. Phytochemical analysis and antibacterial activity of different extracts of *Filipendula ulmaria* (L.) Maxim. (2024) *Acta botanica brasiliica* 38. DOI 10.1590/1677-941X-ABB-2023-0175. <https://enauka.gov.rs/handle/123456789/951376>
37. Veljković Bojana, Ćirić Andrija, Soldatović Tanja. The influence of complex compounds of zinc, copper and platinum on germination, growth and amount of secondary metabolites of alfalfa (*Medicago sativa* L.). (2024) 62, 68-72. DOI 10.1016/j.phytol.2024.07.002. <https://enauka.gov.rs/handle/123456789/929210>
38. Minić Đorđe, Marković Katarina, Kesić Ana, Grujović Mirjana, Marković Stefan, Torbica Aleksandra, Đukić Nevena. The effects of silver nanoparticles synthesized with an aqueous extract of *Agrimonia eupatoria* L. on winter wheat and barley varieties. (2024) *Journal of the Serbian Chemical Society*. DOI 10.2298/JSC241105096M. <https://enauka.gov.rs/handle/123456789/953191>
39. Milošković Aleksandra, Radenković Milena, Kojadinović Nataša, Veličković Tijana, Đuretanić Simona, Simić Vladica. Potentially toxic elements in pikeperch (*Sander lucioperca* L.) from the Gruža Reservoir: Health risk assessment related to fish consumption by the general population and fishermen. (2024) *Journal of the Serbian Chemical Society*. DOI 10.2298/JSC240110044M. <https://enauka.gov.rs/handle/123456789/906271>

40. Marjanović Jovana, Petrović Nevena, Kosanić Marijana, Košarić Jelena, Mirić Ana, Milivojević Nevena, Kostić Marina, Divac Vera. Tryptamine-Derived Schiff Bases: Potent Antimicrobial Agents and Evaluation of Cytotoxicity, ADME and DNA Binding Properties. (2024) *Chemistry & Biodiversity*. DOI 10.1002/cbdv.202401699. <https://enauka.gov.rs/handle/123456789/943282>

M24 – укупно 11

1. Milojević Sara, Nikodijević Danijela, Milutinović Milena, Kosanić Marijana, Petrović Nevena, Jovanović-Krivokuća Milica, Nacka-Aleksić Mirjana. Exploring *Amanita muscaria* (L.) Lam.: Cytotoxic, proapoptotic and antiferroptotic effect of acetone extract on JAR choriocarcinoma cell line. (2024) *Kragujevac Journal of Science* 46(1), pp. 121 – 135. DOI 10.5937/KgJSci2401121M. <https://enauka.gov.rs/handle/123456789/932147>
2. Nikodijević Danijela, Milutinović Milena, Radenković Nikola, Blagojević Stefan, Vasiljević Anđela, Jurišić Vladimir, Predojević Dragana, Vukajlović Filip, Pešić Snežana. Silk of the Indian meal moth *Plodia interpunctella* (Hübner, 1813) affects the human colon cancer cells. (2024) *Kragujevac Journal of Science* 46(2), pp. 39 – 48. DOI 10.5937/KgJSci2400015N. <https://enauka.gov.rs/handle/123456789/953983>
3. Milenković Aleksandar, Milikić Milan, Jovović Tomislav. Embracing technology in distance mathematics education: Investigating students' perceptions of the teachers' usage of the pen tablet. (2024) *Istraživanja u pedagogiji* 14(1) pp. 28 – 45. DOI 10.5937/IstrPed2401028M. <https://enauka.gov.rs/handle/123456789/925002>
4. Sekulić Jovana, Trakić Tanja, Popović Filip, Bajagić Marija. Annual monitoring population of earthworms (Clitellata: Lumbricidae) in man-affected ecosystems around artificial Gruža reservoir. (2024) *Kragujevac Journal of Science* 46(2) pp. 105 – 112. DOI 10.5937/KgJSci2402105S. <https://enauka.gov.rs/handle/123456789/953066>
5. Isidora Stanisavljević, Marija Zivković, Snežana Rajković, Milica Obradović, Milena Jurišević, Sladjana Pavlović, Bojana Simović Marković, Nevena Gajović, Irfan Ćorović, Miodrag Jocić, Andrija Kostić, Ivan Jovanović. Immunomodulatory effects of mononuclear 5,6-epoxy-5,6-dihydro-1,10-phenanthroline platinum(II) complex. (2024) *Kragujevac Journal of Science* 46(1) pp. 73 – 84. DOI 10.5937/KgJSci2400003S. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=60>
6. Filip N. Vukajlović, Danilo Ugrnov, Branko Rapajić, Danijela Ćočić, Sanja Banjanac, Ivan Tot. *Alcidodes karelinii* (Coleoptera: Curculionioidea: Molytinae) – new weevil species for the fauna of Serbia. (2024) *Kragujevac Journal of Science* 46(1) pp. 169 – 173. DOI 10.5937/KgJSci2400005V. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=60>

7. Glorija Ž. Ćirković, Rastko D. Ajtić. Exploring the batracho- and herpetofauna richness of Mojtirsko-Draške mountains. (2024) Kragujevac Journal of Science 46(1) pp. 179 – 186. DOI 10.5937/KgJSci2401179C. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=60>
8. Slađana Đorđević, Jovana Rakonjac, Slavko Radenković. Magnetically induced current densities in phenylenes in the ground and lowest lying triplet excited states. (2024) Kragujevac Journal of Science 46(2) pp. 31 – 38. DOI 10.5937/KgJSci2400014D. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>
9. Danijela Nikodijević, Milena Milutinović, Nikola Radenković, Stefan Blagojević, Anđela Vasiljević, Vladimir Jurišić, Dragana Predojević, Filip Vukajlović, Snežana Pešić. Silk of the indian meal moth *Plodia interpunctella* (Hübner, 1813) affects the human colon cancer cells. (2024) Kragujevac Journal of Science 46(2) pp. 39 – 48. DOI 10.5937/KgJSci2400015N. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>
10. Jovana M. Sekulić, Tanja B. Trakić, Filip J. Popović, Marija D. Bajagić. Annual monitoring population of earthworms (Clitellata: Lumbricidae) in man-affected ecosystems around artificial Gruža reservoir. (2024) Kragujevac Journal of Science 46(2) pp. 105 – 112. DOI 10.5937/KgJSci2402105S. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>
11. Rastko D. Ajtić, Sonja Z. Nikolić, Aleksandar B. Simović, Glorija Ž. Ćirković. The presence of amphibians and reptiles in the Golija mountain compared with fauna of other areas. (2024) Kragujevac Journal of Science 46(2) pp. 117 – 124. DOI 10.5937/KgJSci2400013A. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>

M33

1. Saveljic I., Saveljic S.M., Arsic B., Filipović N. Estimation of Oscillatory Comfort During Vertical Vibrations Using an Artificial Neural Network. (2024) Lecture Notes in Networks and Systems, 999 LNNS, pp. 21 – 27. DOI: 10.1007/978-3-031-60840-7_3. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195448260&doi=10.1007%2f978-3-031-60840-7_3&partnerID=40&md5=6ea7ec28502cb3ffd6404c850f9472ab
2. Malbaša A., Petrović N., Arsić B. Model Inference Using TVM on AMD GPU: Image Classification and LLM Case Studies. (2024) Proceedings - 2024 11th International Conference on Electrical, Electronic and Computing Engineering, IcETRAN 2024. DOI: 10.1109/IcETRAN62308.2024.10645084. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204050541&doi=10.1109%2fIcETRAN62308.2024.10645084&partnerID=40&md5=5d9d5c400ee71a16a0d041698b8b3c51>

M51 – укупно 5

1. Todosijević-Jovanović Jovana, Obradović Jasmina, Jurišić Vladimir. The most common methods applied for in vitro research in non-small cell lung cancer in the last decade. (2024) Acta Facultatis Medicae Naissensis 41(3) pp. 364 – 375. DOI 10.5937/afmnai41-49136. <https://enauka.gov.rs/handle/123456789/945832>
2. Rajkovic S., Franich A.A., Cupurdija V., Zivkovic M.D. DNA and BSA-Binding Studies of Dinuclear Palladium(II) Complexes with 1,5-Naphtiridine Bridging Ligands. (2024) Experimental and Applied Biomedical Research (EABR), 25 (2), pp. 113 – 126. DOI: 10.2478/sjecr-2021-0030. <https://enauka.gov.rs/handle/123456789/930685>
3. Delibašić Marković Hristina S., Petrović Violeta M., Petrović Ivan D. Adiabatic response of $3s^2 \rightarrow 2p^4$ and $3s^3 \rightarrow 2p^5$ neon transitions to laser field variations. (2024) Kragujevac Journal of Science 46(1) pp. 45 – 57. DOI 10.5937/KgJSci2401045D. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=60>
4. Miroljub Dugić, Jasmina Jeknić-Dugić, Momir Arsenijević. QUANTUM MEASUREMENT: A SHORT REVIEW. (2024) Kragujevac Journal of Science 46(2) pp. 5 – 22. DOI 10.5937/KgJSci2400010D. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>
5. Mohamed E.A. Aichouche, Mihajlo V. Petrović, Milena P. Živković, Dragana Ž. Krstić, Snežana R. Branković. Radionuclide contamination in agricultural and urban ecosystems: a study of soil, plant, and milk sampleS. (2024) Kragujevac Journal of Science 46(2) pp. 23 – 30. DOI 10.5937/KgJSci2400011A. <https://www.pmf.kg.ac.rs/KJS/en/index.php?page=62>

M53

1. Redžepović Izudin, Vučićević Nemanja, Stojanović Nenad. On Sensitivity of Hamming Energy of a Graph. (2024) Scientific Publications of the State University of Novi Pazar Series A: Applied Mathematics, Informatics and mechanics XVI(2) pp. 159 – 163. DOI 10.46793/spsunp2402.159r. <https://enauka.gov.rs/handle/123456789/958951>

NEKATEGORISANI – укупно 21

1. Mazzucato A., Assche J.V., DeSmet A., Gao S., Xu B., Chen Z., Helmy M., Osma E., Gad I., Arat N., Siegler A., Kulcsár G., Kohli N., Chawla S.K., Kumar V., Najamussaqib A., Amin R., Kowal M., Piskorz J., Szczygiel M., Kornienko D., Veraksa A., Košir K., Pivec T., Peras I., Chavanovanich J., Suvanbenjakule P., Ermagan-Caglar E., Kurtça T.T., Hamzaoglu N., Pyzalski J.

2. A cross-national perspective of prejudice-based cyberbullying and cybervictimisation. (2024) *International Perspectives on Migration, Bullying, and School: Implications for Schools, Refugees, and Migrants*, pp. 148 – 165. DOI: 10.4324/9781003439202-9. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209852631&doi=10.4324%2f9781003439202-9&partnerID=40&md5=d7cf32bb849b86059cb1bf7affd83dba>
3. Jakovljević D. Exploring Molecular Diversity of Plants for Enhancement of Natural Products. (2024) *Biosynthesis of Natural Products in Plants: Bioengineering in Post-genomics Era*, pp. 315 – 327. DOI: 10.1007/978-981-97-2166-5_13. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85206179683&doi=10.1007%2f978-981-97-2166-5_13&partnerID=40&md5=07f43a2f8f0d7f31e0a6096899b0eb78
4. Prodanovic D.N., Andrijevic N.N., Lakovic B.R., Stojanovic B.S. Data-Driven Digital Twins of Renewable Energy Grids. (2024) *Lecture Notes in Networks and Systems*, 999 LNNS, pp. 46 – 51. DOI: 10.1007/978-3-031-60840-7_7. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195459877&doi=10.1007%2f978-3-031-60840-7_7&partnerID=40&md5=be9cdc7a446c94d01fe44e64851d7631
5. Tomasevic S., Djukic T., Anic M., Arsic B., Saveljic I., Gakovic B., Koncar I., Filipovic N. Simulation of Atherosclerosis Progression Within Patient-Specific Carotid Artery. (2024) *Lecture Notes in Networks and Systems*, 860 LNNS, pp. 176 – 184. DOI: 10.1007/978-3-031-71419-1_16. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85206388264&doi=10.1007%2f978-3-031-71419-1_16&partnerID=40&md5=09c5cd54bb57a5a3eb4fdd7897d809e1
6. Djukic T., Anic M., Gakovic B., Tomasevic S., Arsic B., Koncar I., Filipović N. Simulation of Blood Flow Through a Patient-Specific Carotid Bifurcation Reconstructed Using Deep Learning Based Segmentation of Ultrasound Images. (2024) *Lecture Notes in Networks and Systems*, 999 LNNS, pp. 201 – 206. DOI: 10.1007/978-3-031-60840-7_25. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195513723&doi=10.1007%2f978-3-031-60840-7_25&partnerID=40&md5=216da552f71037b51b4c7b171fecfdff
7. Milenković Aleksandar, Takači Đurđica, Božić Radoslav. The Influence of Dynamic Representations in Mobile Applications on Students' Learning Achievements in Solving Multiple Integrals. (2024) *International Journal of Education in Mathematics Science and Technology* 12(5) pp. 1340 – 1359. DOI 10.46328/ijemst.4246. <https://enauka.gov.rs/handle/123456789/946535>
8. Gusinjac Isma, Tomović Jovica, Kočović Aleksandar, Rančić Aleksandar, Radojević Ivana, Grujović Mirjana, Sovrlić Miroslav. Comparative Studies of Chemical Composition and Biological Activity of *Juniperus communis* L. Essential Oil From Different Localities in

- the Republic of Serbia. (2024) *Experimental and Applied Biomedical Research (EABR)*. DOI 10.2478/eabr-2024-0010. <https://enauka.gov.rs/handle/123456789/953190>
9. Milenković Aleksandar, Maksimovic Aleksandra, Dimitrijević Slađana, Damjanović Radojko. Profesionalni izazovi nastavnika - kvalitativna studija. (2024) *DHS* 1(25) pp. 737 – 758. <https://enauka.gov.rs/handle/123456789/929198>
 10. Kovačević Milan, Kuzmanović Ljubica, Kovačević S, Milošević Marko. An experiment for the study of projectile motion. (2024) *Revista Mexicana de Física E* 21(2). DOI 10.31349/RevMexFisE.21.020217. <https://enauka.gov.rs/handle/123456789/944532>
 11. Mudrić-Staniškovski L., Laković M., Stojanović N. A soft Dynkin system. (2024) *Filomat*, 38 (1), pp. 217 – 226. DOI: 10.2298/FIL2401217M. <https://enauka.gov.rs/handle/123456789/876158>
 12. Djordjević J., Nešović E. On Bishop frame of a partially null curve in Minkowski space-time E41(2024) *Filomat*, 38 (4), pp. 1439 – 1449. DOI: 10.2298/FIL2404439D. <https://enauka.gov.rs/handle/123456789/935488>
 13. Buyantogtokh L., Horoldagva B., Gutman I. On minimum generalized ABC index of graphs. (2024) *Filomat*, 38 (19), pp. 6639 – 6650. DOI: 10.2298/FIL2419639B. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208612615&doi=10.2298%2fFIL2419639B&partnerID=40&md5=1efa858e5b87dee62c39df1b0a9a6563>
 14. Milenković A., Vučićević N. Advancing students' achievements in multivariable calculus education through CSCL. (2024) *International Electronic Journal of Mathematics Education*, 19 (2), art. no. em0776. DOI: 10.29333/iejme/14472. <https://enauka.gov.rs/handle/123456789/917318>
 15. Preethalayam P., Roldao J.C., Castet F., Casanova D., Radenković S., Ottosson H. 3,4-Dimethylenecyclobutene: A Building Block for Design of Macrocycles with Excited State Aromatic Low-Lying High-Spin States. (2024) *Chemistry - A European Journal*, 30 (27), art. no. e202303549. DOI: 10.1002/chem.202303549. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188719664&doi=10.1002%2fchem.202303549&partnerID=40&md5=817bda00f99d60bae763a807863003c1>
 16. Simonović S., Hinić D. Excessive screen media exposure and language delay in the development of infants and toddlers - three case reports. (2024) *Experimental and Applied Biomedical Research (EABR)*, 25 (1), pp. 87 – 92. DOI: 10.2478/sjecr-2021-0028. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85190536469&doi=10.2478%2fsjecr-2021-0028&partnerID=40&md5=673e8a5ac4d6474c8b4be35cbe7faeeb>

17. Ilić D., Popović L.Č., Burenkov A., Shablovinskaya E., Malygin E., Uklein R., Moiseev A.V., Oparin D., Patiño Álvarez V.M., Chavushyan V., Marziani P., D’Onofrio M., Floris A., Kovačević A.B., Jovičić J., Miković D., Rakić N., Simić S., Marčeta Mandić S., Ciroi S., Vietri A., Crepaldi L., del Olmo A. Long-Term Optical Monitoring of Broad-Line AGNs (LoTerm AGN): Case Study of NGC 3516. (2024) *Physics (Switzerland)*, 6 (1), pp. 31 – 45. DOI: 10.3390/physics6010003. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188890934&doi=10.3390%2fphysics6010003&partnerID=40&md5=8e9afe15cf4f5118d45977b0ff70f8de>
18. Arsenijević D., Jovanović M., Pecić K., Šeklić D. *Laetiporus sulphureus* Mushroom Enhances Cytotoxic Effect of *Bifidobacterium animalis* spp. *lactis* on HCT-116 Cells in a Co-Culture System †. (2024) *Engineering Proceedings*, 56 (1), art. no. 302. DOI: 10.3390/ASEC2023-16608. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186935904&doi=10.3390%2fASEC2023-16608&partnerID=40&md5=ede142f48c8934091780f558fdc05fd8>
19. Milićević B., Ivanović M., Stojanović B., Milošević M., Simić V., Kojić M., Filipović N. Comparison of Data-Driven and Physics-Informed Neural Networks for Surrogate Modelling of the Huxley Muscle Model. (2024) *Lecture Notes in Networks and Systems*, 999 LNNS, pp. 33 – 37. DOI: 10.1007/978-3-031-60840-7_5. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195465414&doi=10.1007%2f978-3-031-60840-7_5&partnerID=40&md5=8de4f292ef6aea47dc373935e7a41910
20. Gutman I. Relating Sombor and Euler indices [Relacionando los índices de Sombor y Euler]. (2024) *Military Technical Courier*, 72 (1), pp. 1 – 12. DOI: 10.5937/vojtehg72-48818. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187710705&doi=10.5937%2fvojtehg72-48818&partnerID=40&md5=c08c3858de2347d4bc7dd9b8ecc991f5>
21. Radenković M., Milošković A., Stojković Piperac M., Veličković T., Curtean-Bănăduc A., Bănăduc D., Simić V. Feeding Patterns of Fish in Relation to the Trophic Status of Reservoirs: A Case Study of *Rutilus rutilus* (Linnaeus, 1758) in Five Fishing Waters in Serbia. (2024) *Fishes*, 9 (1), art. no. 21. DOI: 10.3390/fishes9010021. <https://enauka.gov.rs/handle/123456789/879808>