



Universiteti i Prishtinës
“Hasan Prishtina”

UNIVERSITAS STUDIORUM PRISHTINIENSIS

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Universiteti i Prishtinës “Hasan Prishtina”

Fakulteti i Shkencave Matematike Natyrore

Lista e publikimeve shkencore të financuara nga Universiteti i Prishtinës 2021/2022

List of financed scientific publications from the University of Prishtina 2021/2022

FSHMN

| Nr. | Kodi | Aplikuesi | Autoret/punimi/DOI | Indeksimi |
|-----|------|----------------------|---|-------------|
| 1 | 194 | Mimoza Dushi UP | Dushi.M , Berila.A (2021) Measuring surface urban heat island in response to population density based and gis techniques: Application to Prishtina Folia geographica 63(2), pp. 38–57 DOI: http://www.foliageographica.sk/unipo/journals/2021-63-2/608 | Scopus (Q3) |
| 2 | 199 | Florim Isufi UP | Isufi.F , Berila.A (2021) Using geospatial technology to analyze land use/cover changes in Prishtina, Kosovo (2000–2020) GeoJournal , pp.1-15 DOI: 10.1007/s10708-021-10452-z | Scopus (Q2) |
| 3 | 206 | Musaj Pacarizi UP | Pacarizi.M (2021) Hyperaccumulation of heavy metals by endemic plants in the Sharri Mountains-Kosovo Fresenius environmental bulletin DOI: | WoS (SCIE) |
| 4 | 207 | Avni Berisha UP | Berisha.A (2021) Ab initio exploration of nanocars as potential corrosion inhibitors Fresenius environmental bulletin , Vol 1201, p.113258 DOI: 10.1016/j.comptc.2021.113258 | WoS (SCIE) |
| 5 | 208 | Illir Mazreku UP | Mazreku.I , Bislimi.K, Halili.J, Sahiti.H, Bici.M (2021) Effect of Mining Activity in Accumulation of Heavy Metals in Soil and Plant (<i>Urtica dioica</i> L) Journal of ecological engineering , 22(1), pp. 1–7 DOI: 10.12911/22998993/128691 | Scopus (Q3) |
| 6 | 209 | Illir Mazreku UP | Mazreku.I , Bislimi.K, Halili.J, Aliko.V., Sinani.K, Hoxha.L. (2021) Effects of vitamin C and magnesium L-threonate treatment on learning and memory in lead-pisoned mice | WoS (SCIE) |

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| | | | Journal of veterinary research , 65(2), pp: 217-223 DOI: 10.2478/jvetres-2021-0032 | |
| 7 | 210 | Tahir Arbneshi UP | Arbneshi.T , Frang.A, Frühbauerová.M, Červenka.L, Berisha.L, Kalcher.K, Sýs.M (2021) Flow Injection Amperometric Evaluation of Trolox Equivalent Antioxidant Capacity of Chocolates with Different Cocoa Content at a Boron-Doped Diamond Electrode Food technology and biotechnology , 59(2), pp: 194–200 DOI: 10.17113/ftb.59.02.21.6984 | WoS (SCIE) |
| 8 | 211 | Tahir Arbneshi UP | Arbneshi.T , Mustafa.B, Berisha.L, Hajdari.A (2021) The concentration of phthalates in toys and children's care items in Kosovo Journal of environmental science and health, part A , Vol 56, pp: 1496-1502 DOI: https://www.tandfonline.com/doi/full/10.1080/10934529.2021.2014251 | WoS (SCIE) |
| 9 | 213 | Fetah Podvorica UP | Podvorica.F , Berisha.A, Vataj.R (2021) Corrosion inhibition study of mild steel in an asuesous hydrochloric acid solution using brilliant cresyl blue - combined experimental and Monte Carlo study Portugaliae electrochimica acta , 39(5), pp. 393-401 DOI: 10.4152/pea.2021390601 | Scopus (Q4) |
| 10 | 214 | Miribane Dermaku-Sopjani UP | Dërmaku-Sopjani.M , Sopjani.M (2021) Interactions between ACE2 and SARS-CoV-2 S Protein: Peptide Inhibitors for Potential Drug Developments Against COVID-19 Current protein & peptide science , 22(10), pp. 729 - 744 DOI: 10.2174/1389203722666210916141924 | WoS (SCIE) |
| 11 | 215 | Miribane Dermaku-Sopjani UP | Dërmaku-Sopjani.M , Kurti.F, Thi Xuan.N, Sopjani.M (2021) Klotho-Dependent Role of 1,25(OH) 2 D 3 in the Brain Neurosignals , 29(1), pp. 14-23 DOI: 10.33594/000000352 | Scopus (Q3) |
| 12 | 218 | Jeton Halili UP | Halili.J , Mehmeti.V, Berisha.A (2022) Which is better for Lindane pesticide adsorption, graphene or graphene oxide? An experimental and DFT study Journal of molecular liquids , 347(10) DOI: 10.1016/j.molliq.2021.118345 | WoS (SCIE) |
| 13 | 226 | Hamit Ismaili UP | Ismaili.H , Hoti.R, Thaci.V, Mulliqi-Osmani.Gj, Pllana-Zeqiri.M, Bytyqi.A (2021) An efficient synthesis of novel 3-[(heteroaryl-2-ylimino)-ethyl]-4-hydroxy-chromen-2-ones and analoge tetrazole derivatives and their antibacterial activity | Scopus (Q4) |

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| | | | Molbank , 2021(4), p. M1303 DOI: 10.3390/M1303 | |
| 14 | 227 | Albana R.Mehmeti UP | Mehmeti.A , Pacarizi.M, Hashani.I, Daci Ajvazi.M (2021) Determination of heavy metals in honey by Atomic Absorption Spectrometry Fresenius environmental bulletin , 30(7), pp. 8325-8328 DOI: 30(7):8325-8328 | WoS (SCIE) |
| 15 | 228 | Naim Braha UP | Braha.N , Mansour.T, Mursaleen.M, Acar.T (2021) Convergence of λ -Bernstein operators via power series summability method Journal of applied mathematics and computing , Vol 65, pp. 125–146 DOI: 10.1007/s12190-020-01384-x | WoS (SCIE) |
| 16 | 229 | Naim Braha UP | Braha.N , Mansour.T & Mursaleen.M(2021) Approximation by Modified Meyer–König and Zeller Operators via Power Series Summability Method Bull. Malays. Math. Sci. Soc , Vol 44, pp. 2005–2019 DOI: 10.1007/s40840-020-01045-z | WoS (SCIE) |
| 17 | 230 | Bujar Fejzullahu UP | Fejzullahu, B. , (2021). On the maximum value of a confluent hypergeometric function. Comptes Rendus. Mathématique , 359(10), pp.1217-1224. DOI: 10.5802/crmath.256 | WoS (SCIE) |
| 18 | 231 | Bujar Fejzullahu UP | Fejzullahu, B. , 2021. On the Poincaré expansion of the Hurwitz zeta function. Lithuanian Mathematical Journal , 61(4), pp.460-470. DOI: 10.1007/s10986-021-09527-8 | WoS (SCIE) |
| 19 | 235 | Naim Berisha UP | Berisha, N. , Rizani, K.L., Kadriaj, B., Millaku, F., (2021). Notes on the distribution, ecology, associated vegetation and conservation status of <i>Gymnadenia</i> (Orchidaceae) in Kosovo. Italian Botanist 12: 1–27. DOI: 10.3897/italianbotanist.12.65699 | Scopus (Q2) |
| 20 | 236 | Qendrim Ramshaj UP | Ramshaj, Q. , Rusevska, K., Tofilovska, S. Karadelev, M., (2021). Checklist of macrofungi from oak forests in the Republic of Kosovo. Czech Mycology , 73(1). DOI: 10.33585/cmy.73102 | Scopus (Q3) |
| 21 | 266 | Nesade Muja- Bajraktari UP | Muja-Bajraktari, N. , Kadriaj, P., Zhushi-Etemi, F., Sherifi, K., Alten, B., Petrić, D., Velo, E. Schaffner, F., (2022). The Asian tiger mosquito <i>Aedes albopictus</i> (Skuse) in Kosovo: First record. PloS one , 17(3), p.e0264300. | WoS (SCIE) |

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| 22 | 268 | Ujkan Bajra UP | Bajra, U.Q. , (2021). The interactive effects of remittances on economic growth and inequality in Western Balkan countries. Journal of Business Economics and Management , 22(3), pp.757-775. DOI: 10.3846/jbem.2021.14587 | WoS (SSCI) |
| 23 | 269 | Ujkan Bajra UP | Bajra, U.Q. , Krasniqi, A., Podvorica, A., (2022). Privatisation of socially owned enterprises, the methods used and the impact on economic growth: Empirical evidence from Kosovo. Economic Research-Ekonomiska Istraživanja , 35(1), pp.325-342. DOI: 10.1080/1331677X.2021.1893201 | WoS (SSCI) |
| 24 | 291 | Bashkim Thaçi UP | Thaci, B. , Daci Ajvazi, M., Daci, N., Gashi, S., (2022). Removal of Zinc (II) ions by Wheat Bran and Coffee Waste as Low Cost Biosorbents. Iranian Journal of Chemistry and Chemical Engineering (IJCCE) . DOI: 10.30492/ijcce.2022.541673.4995 | WoS (SCIE) |
| 25 | 292 | Bashkim Thaçi UP | Thaçi, B. , Gashi, S., Daci, N. and Daci-Ajvazi, M., 2021. Hybrid Processes Evaluation of Pb (II) Removal from Wastewater Effluents. Polish Journal of Environmental Studies , 30(4), pp. 3261-3267 DOI: 10.15244/pjoes/130457 | WoS (SCIE) |
| 26 | 301 | Mimoza Dushi UP | Dushi, M. , Berila, A., (2022). Determining the influence of population density on the land surface temperature based on remote sensing data and GIS techniques: application to Prizren, Kosovo. Przegląd Naukowy Inżynieria i Kształtowanie Środowiska , 31. DOI: 10.22630/srees.2324 | Scopus (Q4) |
| 27 | 312 | Ardita Kurtishaj UP | Kurtishaj, A. , Hameli, I., Zeqiraj, A., Avdiaj, S., (2022). Measurements of helium permeation in Zerodur glass used for the realisation of quantum pascal. ACTA IMEKO , 11(2). DOI: 10.21014/acta_imeko.v11i2.1155 | Scopus (Q3) |
| 28 | 313 | Sefer Avdiaj UP | Avdiaj, S. , Delija, Y., (2022). Measurements of virial coefficients of Helium, Argon and Nitrogen for the needs of static expansion method. ACTA IMEKO , 11(2). DOI: 10.21014/acta_imeko.v11i2.1153 | Scopus (Q3) |
| 29 | 314 | Sever Avdiaj UP | Avdiaj, S, Tredhaku, I., (2022). Edge effect on helium outgassing from ULE glass. Emerging Materials Research , pp.1-4. DOI: 10.1680/jemmr.22.00022 | WoS (SCIE) |

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| 30 | 324 | Shukri Klinaku UP | Klinaku S , (2022). Geometric representation of the Galilean transformation. Results in Physics , pp. 105719. DOI: 10.1016/j.rinp.2022.105719 | WoS (SCIE) |
| 31 | 336 | Kajtaž Bllaci UP | Bllaca, K.H. , Mazhouda, K., (2021). Explicit formula on function fields and application: Li coefficients. Annali di Matematica Pura ed Applicata , 200(5), pp.1859-1869. DOI: 10.1007/s10231-020-01062-6 | WoS (SCIE) |
| 32 | 337 | Skender Demaku UP | Demaku, S. , Korça, B., (2021). Assessment of Contamination with Heavy Metals in Environment: Water, STERILE, Sludge and Soil around Kishnica Landfill, Kosovo. 13Polish Journal of Environmental Studies , 30(1), pp.671-77. DOI: 10.15244/pjoes/122448 | WoS (SCIE) |
| 33 | 340 | Bardha Korça UP | Korça B , Demaku S (2022). Evaluation of Water Quality and Its Potential Threats Along River Drini Bardh Using Analytical Instrumental Techniques. Polish Journal of Environmental Studies , 31(4), pp. 3163-3172 DOI: 10.15244/pjoes/146478 | WoS (SCIE) |
| 34 | 341 | Naim Sylja UP | Sylja N , Aliaj F, Dalipi B, Elezaj N, Zeqiraj A (2021). The depth of the diffusion of nitrogen in 16MnCr5 steel after gas nitriding. Emerging Materials Research , 11(1), pp.138-140 DOI: 10.1680/jemmr.21.00086 | WoS (SCIE) |
| 35 | 342 | Donard Geci UP | Geci D , Naumova M (2021). The Spotted Orb-weaver Neoscona byzanthina (Pavesi, 1876)-An Enigmatic but Common Species on the Balkans (Araneae: Araneidae). Ecologia Balkanica . DOI: 10.5281/zenodo.4641938 | Scopus (Q4) |
| 36 | 344 | Gazmend Nazefi UP | Nafezi, G. , Dhoçina, P., Xhixha, M.K., Bode, K., Bërdufi, I., Bylyku, E., Daci, B., Prifti, D., Xhixha, G., (2021). Occupational radiation dose for medical workers at the University Hospital Center “Mother Theresa” in Tirana. Journal of Radioanalytical and Nuclear Chemistry , 328(3), pp.1109-1114. DOI: 10.1007/s10967-021-07701-3 | WoS (SCIE) |
| 37 | 345 | Gazmend Nazefi UP | Nafezi, G. , Xhixha, G., Kuçali, M., Qengaj, F., Bahtijari, M., Akkurt, İ., (2021). Radon activity concentrations in underground workplaces in Kosovo. Arabian Journal of Geosciences , 14(22), pp.1-6. | Scopus (Q2) |
| 38 | 347 | Flamur Sopaj UP | Sopaj, F. , Paçarizi, M., Stafilov, T., Tašev, K., Šajin, R., (2022). | WoS (SCIE) |

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| | | | Statistical analysis of atmospheric deposition of heavy metals in Kosovo using the terrestrial mosses method. Journal of Environmental Science and Health, Part A , pp.1-12. DOI: 10.1080/10934529.2022.2063607 | |
| 39 | 350 | Albana Kashatanjeva – Bytyçi UP | Kashtanjeva, A. , Vehapi, I., Kurteshi, K. Paçarizi, M., Determining the Physico-Chemical and Microbiological Parameters of the Water Quality in the Batllava Lake, Kosovo. Journal of Ecological Engineering. | Scopus (Q3) |
| 40 | 367 | Illir Shehu UP | Shehu, I. , Malsiu, A., Bajraktari, N., (2022). Assessment of Potentially Toxic Element Concentrations in Soil and Vegetables and Impact on Human Health Through TF, EDI, and HRI Indicators: Case Study Anadrinia Region (Kosovo). Biological Trace Element Research , pp.1-14. DOI: 10.1007/s12011-022-03160-3 | WoS (SCIE) |
| 41 | 368 | Fatbardh Gashi UP | Gashi, F. , Troni, N., Laha, F Franciskovic-Bilinski, S., Bilinski, H., (2022). Assessment of Some Major Chemical Elements in Sediments of Aquatic Sources in Drini I Bardhe River Basin: A Case Study of Spatial Distribution. Fresenius Environmental Bulletin , 31(5), Pp.4659-4676. | WoS (SCIE) |
| 42 | 368 | Fatbardh Gashi UP | Gashi, F. , Laha, F., Frančisković-Bilinski, S., Bilinski, H., Çadraku, H., (2022). Geospatial distribution of heavy metals in sediments of water sources in the Drini i Bardhë river basin (Kosovo) using XRF technique. Sustainable Water Resources Management , 8(1), pp.1-16. DOI: | Scopus (Q2) |
| 43 | 377 | Halil Ibrahim UP | Ibrahim, H. , Bilalli, A., Kucinic, M., Hlebec, D., Gashi, A., Kotori, L.G., Stojanovic, K. ŽIVIĆ, I., (2022). Potamophylax idliri sp. Nov. (Trichoptera: Limnephilidae), a new species from the Jastrebac Mountains in Serbia, with molecular and ecological notes. Zootaxa , 5116(3), pp.373-392. DOI: 10.11646/zootaxa.5116.3.4 | WoS (SCIE) |
| 44 | 378 | Halil Ibrahim UP | Ibrahim, H. , Mohammadi, H., Ghaderi, E. Karimian, E., (2022). A new species of the genus Hydropsyche Pictet, 1834 (Trichoptera: Hydropsychidae) from Kurdistan Province, Iran. Aquatic Insects , pp.1-10. DOI: 10.1080/01650424.2022.2056202 | WoS (SCIE) |
| 45 | 388 | Behar Baxhaku UP | Baxhaku, B. , Agrawal, P.N., Shukla, R., (2022). Some Fuzzy Korovkin type Approximation Theorems via Power Series Summability Method. Soft computing | WoS (SCIE) |

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| | | | DOI: 10.1007/s00500-022-07429-6 | |
| 46 | 389 | Behar Baxhaku UP | Baxhaku, B. , Shukla, R.,Agrawal, P.N., (2021). A tensor product of Kantorovich-Stancu type operators with shifted knots and their kth order generalization. Filomat , 35(12), pp.4239-4255. DOI: doi.org/10.2298/FIL2112239B | WoS (SCIE) |
| 47 | 403 | Ferat Krasniqi UP | Krasniqi. F. (2021) Mapping Forest Cover Changes using Sentinel-2A Imagery in the Municipality of Zubin Potok, Republic of Kosovo Acta Silvatica et Lignaria Hungarica DOI:10.37045/aslh-2021-0007 | Scopus (Q4) |
| 48 | 409 | Arsim Ejupi UP | Ejupi. A. (2022) Expression of regional identity in urban toponomy of major Kosovar cities Acta Universitatis Carolinae, Geographica DOI:10.14712/23361980.2022.3 | Scopus (Q4) |
| 49 | 418 | Armend Shabani UP | Shabani. A. (2022) Combinations as bargraphs Discrete Computational Geometry DOI:10.47443/dml.2022.0002 | WoS (SCIE) |
| 50 | 419 | Armend Shabani UP | Shabani. A. (2022) Smooth column convec polyominoes Discrete Mathematics Letters DOI:10.1007/s00454-022-00405-9 | Scopus (Q3) |
| 51 | 422 | Flamur Sopaj UP | Sopaj. F. (2022) Mosses as bioindicators of atmospheric deposition of Tl, Hg and As in Kosovo Chemistry and Ecology DOI: 10.1080/02757540.2022.2147516 | WoS (SCIE) |
| 52 | 430 | Hamide Ibrahimimi UP | Ibrahimimi. H. (2022) Biosynthesis of new volatile and flavor compounds by using Bjerkandera adusta and Wolfiporia cocos as destroying agents of secondary metabolites and assuming of chemical bio reactions Egyptian Journal of Chemistry DOI: 10.21608/EJCHEM.2022.137693.6058 | Scopus (Q3) |
| 53 | 431 | Arben Haziri UP | Haziri. A (2022) Occurrence of citrinin in the wheat grain cultivated in Kosovo and Albania during 2021 Veterinarska Stanica DOI:10.46419/vs.54.1.11 | Scopus (Q3) |
| 54 | 432 | Fatmir Faiku UP | Faiku. F. (2022) Determination of Mineral Content in Cranberries (Vaccinium Microcarpum) and their Infusions Consumed in Kosovo Agriculture and Forestry DOI:10.17707/agricultforest.68.3.13 | Scopus (Q3) |
| 55 | 439 | Kemajl Bislimi UP | Bislimi. K. (2022) The role of graphene oxide in the inhibition of migration and invasion of cancer cells by | Scopus (Q4) |

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| | | | destroying actin cytoskeleton and via inhibiting the activities of ETC complexes Current Cancer Therapy Reviews DOI: 10.2174/1573394719666221103094845 | |
| 56 | 440 | Ferim Gashi UP | Gashi. F. (2022) The Compact City-Measuring Urban Sprawl Using GIS Wseas Transactions on Environment and Development DOI:10.37394/232015.2022.18.105 | Scopus (Q3) |