

LIČNE INFORMACIJE



Sabina Žero

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RADNO ISKUSTVO

2020. – trenutno Docent za oblast Analitička hemija na Katedri za analitičku hemiju, Odsjek za hemiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu
- 2021 (Feb) – trenutno Koordinator za nastavu na Interdisciplinarnom studiju Konzervacija i restauracija za Prirodno-matematički fakultet-UNSA
2015. – 2020. Viši asistent za oblast Analitička hemija na Katedri za analitičku hemiju, Odsjek za hemiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu
2011. – 2015. Asistent za oblast Analitička hemija na Katedri za analitičku hemiju, Odsjek za hemiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu
2012. – 2013. Asistent – vanjski saradnik na predmetima Veterinarska biohemija I i Veterinarska biohemija II na Katedri za hemiju i biohemiju, Zavod za morfologiju, Veterinarski fakultet, Univerzitet u Sarajevu
2009. – 2010. Demonstrator na Katedri za analitičku hemiju, Odsjeka za hemiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu
2008. Ferijalna praksa, Bosnalijek d.d., Sektor Razvoj, Laboratorij za sinteze i laboratorij za hromatografske metode
- ISKUSTVO U NASTAVI Nastavnik na predmetima: Hemija i kvalitet zraka, Sistemi analitičke kontrole kvaliteta, Prečišćavanje otpadnih voda i plinova, Odabrane spektrometrijske metode analize, Analitička kontrola kvaliteta, Analitičke metode u forenzičkoj hemiji (II ciklus studija)
- Saradnik na izvođenju laboratorijskih vježbi iz predmeta: Analitička hemija I, Analitička hemija II, Analitička hemija III, Odabrane spektrometrijske metode analize, Hemija životne sredine I, Analitička kontrola kvaliteta, Mehanizmi jonske izmjene, Hemija i kvalitet zraka, Hemija i kvalitet voda, Sistemi analitičke kontrole kvaliteta, Mjeriteljstvo u hemiji (II ciklus studija), Hemispsa analiza odabranih materijala (II ciklus studija), Analitika voda (II ciklus studija), Analitičke metode u forenzičkoj hemiji (II ciklus studija), Metodika nastave hemije I, Metodika nastave hemije II, Analitičke metode istraživanja i dokumentiranja baštine (Interdisciplinarni studij: Konzervacija i restauracija - II ciklus studija)
- ANGAŽMAN Vanjski saradnik (docent) na Univerzitetu u Zenici, Metalurško-tehnološki fakultet u Zenici u ak. 2022/2023. godini na predmetima Analitička hemija I, Hemija okoliša i Hemispsa i biološke štetnosti
Vanjski saradnik (docent) na Univerzitetu u Zenici, Metalurško-tehnološki fakultet u Zenici u ak. 2021/2022. godini na predmetu Analitička hemija I
Sekretar redakcije časopisa Glasnik hemičara i tehnologa Bosne i Hercegovine od maja 2018. godine

Vanjski saradnik (ekspert) u Institutu za akreditiranje Bosne i Hercegovine (BATA) od 2017. godine
Član UO udruženja DTKS (blagajnik), od 2012. do 2016.

OBRAZOVANJE I OSPOSOBLJAVANJE

2012. – 2017. Doktor hemijskih nauka
Prirodno-matematički fakultet, Univerzitet u Sarajevu, odbranila 18.10. 2017. doktorsku disertaciju "Biopristupačnost metala iz PM10 frakcije čestične tvari zraka", mentor: prof. dr. Jasna Huremović
2009. – 2010. Magistar inženjerske hemije
Prirodno-matematički fakultet, Univerzitet u Sarajevu, odbranila 15.02.2011. magistarski rad "Karakterizacija sezonskih varijacija u sadržaju 13 elemenata u PM10 frakciji čestične tvari zraka u urbanom i ruralnom području Sarajevskog kantona", mentor: doc. dr. Jasna Huremović
2005. – 2009. Bakalauret/Bachelor inženjerske hemije
Prirodno-matematički fakultet, Univerzitet u Sarajevu, odbranila 16.07.2009. diplomski rad "Kontrola onečišćenja vode Vogošćanske rijeke teškim metalima iz Industrijske zone metodom AAS", mentor: doc. dr. Mustafa Memić
2005. Druga gimnazija Sarajevo
2001. OŠ Musa Ćazim Čatić Sarajevo
2016. Training and Research for Academic Newcomers, program cjeloživotnog učenja u oblasti pedagoškog obrazovanja i jačanja kompetencija akademskog osoblja Univerziteta u Sarajevu, Sarajevo, BiH

LIČNE VJEŠTINE

Maternji jezik	Bosanski jezik		
Ostali jezici	Engleski jezik		
	Razumijevanje	Govor	Pisanje
	B2	B2	B2
	Njemački jezik (Deutsches Sprachdiplom der KMK – Stufe II)		
	Razumijevanje	Govor	Pisanje
	B2/C1	B2/C1	B2/C1
	Prema europskom referentnom okviru za jezike Nivo: A1/2 početnik; B1/2 samostalni korisnik; C1/2 iskusni korisnik		
Računarske vještine	Alati Microsoft Office™		
Vozačka dozvola	B kategorije		

DODATNE INFORMACIJE

- Usavršavanja
- Učesnik na webinaru CARE – briga o opštem blagostanju univerzitetskih uposlenika i SUPPORT – podrška izvođenju online nastave (održano u okviru projekta Razvoj okvira stručnog usavršavanja akademskog osoblja na javnim univerzitetima u BiH-TRAIN BiH), 28. 4. 2022. godine, online*
- Učesnik na treningu Implementacija principa zelene hemije u industriji, Trening je održan u okviru projekta Okolinski prihvatljivo upravljanje postojanim organskim zagađujućim materijama (POPs) u industrijskom i sektoru upravljanja opasnim otpadom u BiH kojeg*

finansira Švedska, a realizuje Razvojni program Ujedinjenih nacija (UNDP), 03.02.2022. godine, online

Učesnik na radionici Effective Researcher and Pedagogic Stratification in Academics, 14.12.2021. godine, Prirodno-matematički fakultet, Sarajevo, BiH

Učesnik na interaktivnom trening programu u svrhu razvijanja vještine pisanja naučnih članaka i statističke obrade podataka (SPSS) u okviru projekta MostarT Science 2021, 17.-18.09.2021., Mostar, BiH

Učesnik u naučnom programu Online Policy Engagement Training Course as part of The Western Balkans Science Engagement Programme, 11.01.2021.-18.03.2021., online

Učesnik u ERASMUS+ programu (Staff mobility for training), 09.12.2019.-13.12.2019. Katolički Univerzitet Lille, Lille, Francuska

Učesnik na WG1 meeting (u oviru projekta COST Action CA16109), 05.-06.03.2019., King's College London, London, United Kingdom

Dobitnik granta (2nd Grant Period) za realizaciju kratkoročne naučne misije (STSM: Sarajevo Canton aerosol analysis) na Institutu za medicinska istraživanja i medicinu rada, Jedinici za higijenu okoline, Zagreb u okviru COST akcije CA16109 Chemical On-Line cOmpoSition and Source Apportionment of fine aerosoL, COLOSSAL, boravak u RHrvatskoj, Zagrebu na IMI od 02.09.2018. do 06.10.2018.

Učesnik na obuci o novom izdanju standarda ISO/IEC 17025:2017 za ocjenitelje i eksperte BATA-e, Sarajevo, 18.04.2018.

Učesnik na obuci Zakonska osnova za rad BATA-e, organizacija, politika kvaliteta, Sistem akreditiranja BiH, Uredba (EC) 765/2008, Zahtjevi standarda ISO/IEC 17011:2004, Zahtjevi za ocjenitelje i eksperte, Zahtjevi standarda BAS EN ISO/IEC 17025:2006, BATA dokumenti, EA, ILAC dokumenti, Planiranje ocjenjivanja, tehnike ocjenjivanja, izvještavanje, Timske/grupne vježbe, (23.01. – 27.01.2017.), Institut za akreditiranje BiH (BATA), Sarajevo

Učesnik na trening kursu TrainMic "Principles and Applications of Metrology in Chemistry", 13-14 November 2014, Sarajevo, Bosnia-Herzegovina

Učesnik na edukciji Hands-on training course on sample preparation for analysis of priority pollutants in the aquatic environment, Masaryk University in Brno, RECETOX, Czech Republic, 9.-11.09.2014. (U okviru NETREL TEMPUS project)

Učesnik na edukaciji Hands-on training course on sampling of priority pollutants in the aquatic environment, Masaryk University in Brno, RECETOX, Czech Republic 8.-10.07.2014. (U okviru NETREL TEMPUS project)

Učesnik na trening kursu TrainMic "Principles and Applications of Metrology in Chemistry", 24-25 October 2013, Sarajevo, Bosnia-Herzegovina

Učesnik na regionalnom trening kursu "Methods And Tools To Identify Trans-Boundary Movements And Sources Of APM", 8-12 July 2013, Vilnius, Lithuania (U okviru IAEA Technical Cooperation Project RER/1/008)

Učesnik na regionalnom trening kursu "Air sampling and nuclear analytical characterisation of atmospheric particulate matter (APM), including quality assurance/quality control (QA/QC)", 4-8 June 2013, Zagreb, Croatia (U okviru IAEA Technical Cooperation Project RER/1/008)

Učesnik na međulaboratorijskom poređenju u okviru projekta IAEA za određivanje sadržaja definisanih metala u PM10 frakciji čestične tvari zraka sakupljenim na kvarcnim filterima. (Institut za medicinska istraživanja i medicinu rada, Zagreb, Hrvatska). (Proficiency Testing of APM elemental content, IAEA RER/1/008 - Supporting Air Quality Management, Environmental Hygiene Unit, Institute for Medical Research and Occupational Health, Zagreb, Croatia, 2013)

Učesnik na trening kursu TrainMic "Principles and Applications of Metrology in

Chemistry", 28 March 2012, Sarajevo, Bosnia-Herzegovina

Učesnik na međulaboratorijskom poređenju u okviru projekta IAEA za određivanje sadržaja definisanih metala u PM10 frakciji čestične tvari zraka sakupljenim na PTFE filterima, Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety, N.C.S.R. Demokritos, Atina, Grčka. (In the framework of the IAEA TC Project RER/1/008 "Supporting Air Quality Management", a Proficiency Test exercise (PT) of analysis of APM elemental content based on samples prepared from Dust Certified Reference Materials deposited in Polytetrafluoroethylene (PTFE) filters was performed.)

Učesnik na trening kursu TrainMic "Principles and Applications of Metrology in Chemistry", 10-11 November 2011, Sarajevo, Bosnia-Herzegovina

Učesnik u Prevent School of Automotive (Prevent Group BH), 3-27 Oktobar 2011., ASA Prevent Centar, Sarajevo, BiH

Angažman u svojstvu junior eksperta u "Intercomparison exercise for sampling of air particulate matter PM10" – Technical Cooperation Project RER2/005, 23 September - 8 October 2010, National Center for Scientific Research "Demokritos", Aghia Paraskevi, Greece.

Učesnik na međulaboratorijskom poređenju u okviru projekta IAEA za gravimetrijsko određivanje PM10 (Institute of Nuclear & Radiological Sciences & Technology, Energy & Safety, N.C.S.R. Demokritos, Atina, Grčka)

Konferencije	Učesnik na 9th International Workshop on Biomonitoring of Atmospheric Pollution (BIOMAP 9), University Federico II, 03.-05.10.2022., Napulj, Italija Učesnik na 4. Internacionalnom kongresu hemičara i hemijskih tehnologa, 30.06.-02.07.2022. godine, Sarajevo, BiH Učesnik na 3. Internacionalnom kongresu hemičara i hemijskih tehnologa, 19.-21.10.2018., Sarajevo, BiH Učesnik na 2. Internacionalnom kongresu hemičara i hemijskih tehnologa, 21.-23.10.2016., Sarajevo, BiH Učesnik na 2. znanstveno-stručnoj konferenciji sa međunarodnim sudjelovanjem "Zaštita voda u kršu", Mostar, 15-16. 10. 2015., BiH Učesnik na Kongresu hemičara i hemijskih tehnologa sa međunarodnim učešćem, 10.-12.10.2014., Sarajevo, BiH Učesnik na Osmom hrvatsko znanstveno-stručnom skupu s međunarodnim sudjelovanjem "ZAŠTITA ZRAKA 2013", Šibenik-Solaris, 09.-14. rujna 2013., Hrvatska
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Članstva	Društvo kemičara i tehnologa Kantona Sarajevo Hrvatsko društvo kemijskih inženjera i tehnologa Član naučnog odbora Četvrtog internacionalnog kongresa hemičara i hemijskih tehnologa BiH, Sarajevo 2022 Član međunarodnog naučnog odbora - International Scientific Committee CIMEE 2018, Chemical & Environmental Science, Second International Symposium on Materials, Electrochemistry and Environment Lebanon, Libija, 2018 Član organizacionog odbora Trećeg internacionalnog kongresa hemičara i hemijskih tehnologa BiH, Sarajevo 2018. Član organizacionog odbora Drugog internacionalnog kongresa hemičara i hemijskih tehnologa BiH, Sarajevo 2016. Član organizacionog odbora Kongresa hemičara i hemijskih tehnologa BiH sa međunarodnim učešćem, Sarajevo 2014.
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Nagrade i priznanja

- 2021 Nagrada Univerziteta u Sarajevu za rezultate naučnog/umjetničkog rada u 2020. godini
2008 Diploma za postignuti odličan uspjeh u akademskoj 2007/08. godini na Odsjeku za hemiju PMF Sarajevo, 01.12.2008. godine

Projekti

- 2022.-2025. ToxLearn4EU – Toxicology Innovative Learning For Europe u okviru programa Erasmus+, tip akcije: KA220-HED – Cooperation partnerships in higher education, oblast: Higher Education (Voditelj projekta: Prof. dr. Bertrand Pourrut (Francuska), koordinator projekta za BiH: Prof. dr. Anja Haverić (INGEB))
2021. Adsorpcija i uklanjanje organofosfatnog pesticida iz uzorka vode upotrebom filosilikatnog minerala (naučnoistraživački/umjetničkoistraživački i istraživačko razvojni projekati i programi finansirani iz Budžeta Kantona Sarajevo za 2021.godinu) (Voditelj projekta: doc. dr. Lejla Klepo)
- 2021.-2023. Član Multidisciplinarnog autorskog tima u okviru projekta Procjena stanja prirode i upravljanja prirodnim resursima u Bosni i Hercegovini (Koordinator projekta: Prof. dr. Senka Barudanović)
2017. – 2021. COST Action CA16109 Chemical On-Line cOmposition and Source Apportionment of fine aerosoL, COLOSSAL (3 March 2017 - 2 March 2021), Management Committee Member: prof. dr. Jasna Huremović i dr. Sabina Žero
2018. – 2019. Conservation of freshwater oligotrophic habitats on Vranica mountain and establishment of long-term monitoring of biodiversity. The Rufford Foundation ©2018. Grant number: 24578-1., Voditelj projekta dr. Ermin Mašić
2017. – 2018. SaFiCa – Sarajevo Canton Field Campaign 2017, Voditelj projekta doc. dr. Katja Džepina, University of Rijeka, Croatia
2016. – 2017. Promocija specifičnih prirodnih vrijednosti Federacija Bosne i Hercegovine, Centar za ekologiju i prirodne resurse - Akademik Sulejman Redžić, Prirodno-matematički fakultet Univerziteta u Sarajevu, Projekat je urađen za potrebe Fonda za zaštitu okoliša FBiH, Voditelj projekta prof. dr. Senka Barudanović
2012. – 2016. Tempus NETREL (Network for education and training for public environmental laboratories) „Mreža za obrazovanje i ospozobljavanje za javne laboratorije za zaštitu okoliša”, Voditelj projekta prof. dr. Tidža Muhić-Šarac
2012. – 2014. Supporting Air Quality Management, International Atomic Energy Agency (IAEA) – Regional Technical Cooperation Project RER/1/008, Koordinator projekta prof. dr. Jasna Huremović
2009. – 2012. Characterizing Seasonal Variations in Elemental Particulate Matter Concentrations in European Urban and Rural Areas under Different Climatic Conditions, International Atomic Energy Agency (IAEA) – Technical Cooperation Project RER2/005, Koordinator projekta prof. dr. Jasna Huremović

Recenzije naučnih/stručnih radova i sažetaka

Recenzije radova u časopisima: Science, Engineering and Technology (2022); Journal of Trace Elements and Minerals (2022); Current Indian Science (2022); Ecotoxicology and Environmental Safety (2021); Journal of Sustainable Technologies and Materials Science JST&M (2021); Environmental Science and Pollution Research (2020; 2021); Kemija u industriji (Chemistry in industry) (2020; 2022); Bulletin of the Chemists and Technologists of Bosnia and Herzegovina (2019; 2021); Academia Letters (2021); SN Applied Sciences (2020); Archives of Industrial Hygiene and Toxicology (2019); Atmospheric Environment + OA Mirror (2019); Recenzije sažetaka na konferencijama: CIMEE18 (abstracts, 2018); ICCCEBIH2022 (abstracts, 2022)

BIBLIOGRAFIJA

Originalni naučni radovi

Žero, S., Žužul, S., Huremović, J., Pehnec, G., Bešlić, I., Rinkovec, J., Godec, R., Kittner, N., Pavlović, K., Požar, N., Castillo, J.J., Sanchez, S., Manousakas, M.I., Furger, M., Prevot, A.S.H., Močnik, G., Džepina, K. (2022). New Insight into the Measurements of Particle-Bound Metals in the Urban and Remote Atmospheres of the Sarajevo Canton and Modeled Impacts of Particulate Air Pollution in Bosnia and Herzegovina. *Environmental Science and Technology* 56(11), 7052-7062. DOI: 10.1021/acs.est.1c07037

Hasanbegović, E., Huremović, J., Žero, S. (2021) Adsorption capacity of nitrate from artificial fertilizers and soil on pyrophyllite. *International Journal of Environmental Science and Technology*, 18, 3731–3738. DOI: 10.1007/s13762-021-03135-2

Haskovic, E., Muhic-Sarac, T., Lukic, M., Marjanovic, M., Žero, S., Islamagic, E. (2021). Determination of heavy metals in liver and skeletal muscles of pigs and calves: experience from Bosnia and Herzegovina. *Bulgarian Journal of Agricultural Science*, 27(3), 593-599.

Mašić, E., Barudanović, S., Žero, S., Ramić, E., Macanović, A., Fejzić S. (2020) New data on distribution of *Hydrurus foetidus* (Villars) Trevisan in freshwater habitats on Vranica Mountain (Bosnia and Herzegovina). *Biologica Nyssana*, 11(2):93 101. DOI: 10.5281/zenodo.4393955.

Pehnec, G., Jakovljević, I., Godec, R., Štrukil, Z. S., Žero, S., Huremović, J., Džepina, K. (2020). Carcinogenic organic content of particulate matter at urban locations with different pollution sources. *Science of the Total Environment*, 734, 139414. <https://doi.org/10.1016/j.scitotenv.2020.139414>

Huremović, J., Žero, S., Bubalo, E., Dacić, M., Čeliković, A., Musić, I., Bašić, M., Huseinbašić, N., Džepina, K., Cepić, M., Muratović, N., Pašalić, A., Salihagić, S., Kravac, Z., Zelić Hadžiomerović, J., Gojak-Salimović, S. (2020). Analysis of PM10, Pb, Cd, and Ni atmospheric concentrations during domestic heating season in Sarajevo, Bosnia and Herzegovina, from 2010 to 2019. *Air Quality, Atmosphere and Health*, 13(8), 965-976. <https://doi.org/10.1007/s11869-020-00852-4>

Masic, A., Bibic, D., Pikula, B., Blazevic, A., Huremovic, J., Žero, S. (2020). Evaluation of optical particulate matter sensors under realistic conditions of strong and mild urban pollution. *Atmospheric Measurement Techniques*, 13(12), 6427-6443. <https://doi.org/10.5194/amt-13-6427-2020>

Delibašić, Š., Huremović, J., Žero, S., Gojak-Salimović, S. (2020). Water Quality of the Trstionica River (Bosnia and Herzegovina). *Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske*, 69(7-8), 371-376. <https://doi.org/10.15255/KUI.2019.061>

Bašić, M., Beganović, L., Huremović, J., Žero, S. (2020). Assessment of Metals and their Estimated Daily Intakes in Various Nuts, Agriculture and Forestry 66(3). DOI: 10.17707/AgriculForest.66.3.17

Masic, A., Bibic, D., Pikula, B., Blazevic, A., Huremovic, J., Žero, S. (2020). Evaluation of optical particulate matter sensors under realistic conditions of strong and mild urban

pollution. *Atmospheric Measurement Techniques*, 13(12), 6427-6443.

Delibašić, Š., Đokić-Kahvedžić, N., Karić, M., Keskin, I., Velispahić, A., Huremović, J., Herceg, K., Selimović, A., Silajdžić, S., Žero, S., Gojak-Salimović, S., Partić, A., Pašalić, A. (2020). Health risk assessment of heavy metal contamination in street dust of federation of Bosnia and Herzegovina. *Human and Ecological Risk Assessment: An International Journal*, 27(5), 1296-1308. DOI: 10.1080/10807039.2020.1826290

Ramić, E., Huremović, J., Muhić-Šarac, T., Đug, S., Žero, S., Olovčić, A. (2019). Biomonitoring of air pollution in Bosnia and Herzegovina using epiphytic lichen Hypogymnia physodes. *Bulletin of Environmental Contamination and Toxicology*, 102(6), 763-769. <https://doi.org/10.1007/s00128-019-02595-0>

Vehab, A., Huremović, J., Žero, S., Šabanović, E. (2019). Essential and toxic metals content in hen eggs at different geographic area in Bosnia and Herzegovina. *Annals, Food Science and Technology*, 20, 97-104.

Mašić, E., Žero, S., Barudanović, S., Memić, M. (2018). Effect of heavy metals on phytobenthos assemblages in mine pit lakes of Bosnia and Herzegovina. *Biologica Nyssana*, 9(2), 103-118. DOI: 15.5281/zenodo.2538602

Nesimović, E., Huremović, J., Gojak-Salimović, S., Avdić, N., Žero, S., Nesimović, E. (2017) Chemical Characterisation of the Spring Waters used for Health Care, Guber, Srebrenica, Bosnia and Herzegovina. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 49: 43-48.

Žero, S., Huremović, J., Memić, M., Muhić-Šarac, T. (2017) Determination of total and bioaccessible metals in airborne particulate matter from an urban and a rural area at Sarajevo. *Toxicological & Environmental Chemistry*, 99:4, 641-651. DOI:10.1080/02772248.2016.1207173

Huremović, J., Muhić-Šarac, T., Memić, M., Žero, S., Selović, A. (2015) Multi-element and rare earth element composition of soil and lichen from Sarajevo, Bosnia and Herzegovina. *Ekoloji*, 24 (97):36-44. doi: 10.5053/ekoloji.2015.10

Memić, M., Mahić, D., Žero, S., Muhić-Šarac, T. (2014) Comparasion of different digestion methods of green and black tea at the Sarajevo market for the determination of the heavy metal content. *Journal of Food and Measurement and Characterization*, 8 (2): 149-154. <https://doi.org/10.1007/s11694-014-9175-6>

Razanica, A., Huremovic, J., Žero S., Gojak-Salimovic S., Memic, M. (2014) Heavy metals in street dust in Sarajevo area, Bosnia and Herzegovina. *Current World Environment*, 9 (1): 43-47. <http://dx.doi.org/10.12944/CWE.9.1.06>

Olovčić, A., Memić, M., Žero S., Huremović, J., Kahrović, E. (2014) Chemical analysis of iron slags and metallic artefacts from early iron age. *International Research Journal of Pure & Applied Chemistry*, 4 (6): 859-870,. <https://doi.org/10.9734/IRJPAC/2014/12248>

Bećiragić S., Huremović J., Muhić-Šarac T., Memić M., Selović A., Žero S. (2013) Metal levels in surface soils after different extraction procedures. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 41: 1-5.

Cjeloviti radovi u zbornicima—
Proceedings

Nesimović E., Huremović J., Muhić-Šarac T., **Žero S.** (2013) Sadržaj teških metala u duhanu cigareta sa sarajevskog tržišta. Radovi poljoprivredno prehrambenog fakulteta Univerziteta u Sarajevu, God. LVIII, 63/1, 135-141. (stručni rad)

Etminan, A., Uzunović, A., Topčagić, A., **Žero, S.**, Dizdar, M., Klepo, L., Čulum, D., Džudžević-Čančar, H., Tahirović, I. (2019) Quantification of Active Substances in Some Drugs Using by Derivative UV/Vis spectroscopy In: Badnjević A., Škrbić R., Gurbeta Pokvić L. (eds) CMBEBIH 2019. CMBEBIH 2019. IFMBE Proceedings, vol 73. Springer, Cham, https://doi.org/10.1007/978-3-030-17971-7_83

Kevilj-Olovčić, A., Olovčić, A., Huremović, J., **Žero, S.** (2018) Water Quality of the Bosna River. Kemija u industriji, 67:13 (special issue), P119-P126 <https://doi.org/10.15255/KUI.2018.018>

Samek, L., Civici, N., Radic, R., Huremovic, J., Sega, K., Osan, J., Talbot, A., Novosel, P., Balan, V., Almeida, S. M. L., Onjia, A., Oztas Saraykoy, N. B., Bernatonis, M., **Žero, S.**, Zwozdziak, A., Rodriguez y Baena, A. M., Markowicz, A. (2012) Supporting Air Quality Management in Eastern and Southern Europe: First Data on Atmospheric Particulate Matter Characterization from the IAEA TC Project RER/2/005, European Conference on X-Ray Spectrometry, EXRS 2012, 18–22 June 2012, Vienna, Austria

Radovi prezentirani na
naučnim/stručnim
konferencijama

Halilović Dž., **Žero S.**, Ramić E., Huremović J., Mašić E., Buljubašić F. (2022) Biomonitoring of Heavy Metals Using Lichens, Mosses and Conifer Needles in Different Sarajevo Areas (Bosnia and Herzegovina), Book of Abstracts BioMAP9, 3-5 October 2022 Naples, pp. 65, Short communication

Ramić E., Huremović J., **Žero S.** (2022) Biomonitoring of Air Pollution Using Moss Hypnum Cupressiforme Hedw.: Case Study in Bosnia and Herzegovina, Book of Abstracts BioMAP9, 3-5 October 2022 Naples, pp. 70, Short communication

Caluk Klacar, L., Cetkovic, T., Haveric, A., Softic, A., Haracic, L., **Žero, S.**, Haveric, S. (2022) Genotoxicity of ambient PM10 at an urban site in Sarajevo, Bosnia and Herzegovina – assessment by comet assay in peripheral blood mononuclear cells. 14th International Comet Assay Workshop (ICAW) & 50th meeting of the European Environmental Mutagen and Genomics Society (EEMGS), Maastricht, The Netherlands, May 23rd – 26th. Book of abstracts, p. 71, may 2022.

Boškailo, E., Džudžević-Čančar, H., Dedić, A., Alispahić, A., Boškailo, A., **Žero, S.** (2022) Evaluation of Mineral Composition in Wild-Growing Clinopodium nepeta (L.) Kuntze using Atomic Absorption Spectrometry, PP-CNP-15, pp. 87, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Sulejmanović, J., Kojčin, M., Kubatlija, J., Karadža, A., **Žero, S.**, Zahirović, A. (2022) Adsorption of Eriochrome Black T (EBT) and Methylene Blue (MB) Dyes using Pulverized Pomegranate Peel as Biosorbent – Characterization and Optimization, PP-ENC-08, pp. 108, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Ramić, E., Žero, S. (2022) Determination of Heavy Metals in Wastewater from Metal Industry, PP-ENC-15, pp. 115, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Ramić, E., Huremović, J., Žero, S. (2022) Estimation of Cd, Cr, Cu, and Ni Atmospheric Deposition by Moss Biomonitoring in the Region of Prokoško Lake, PP-ENC-12, pp. 112, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Borović, A., Žero, S., Huremović, J., Mašić, E., Ramić, E. (2022) Biomonitoring of Metal Levels by Using Conifer Needles and Moss in Bosnian-Podrinje Canton, BiH, PP-ENC-21, pp. 121, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Sivro, A., Žero, S., Huremović, J., Ostojić, J., Ajanović, A. (2022) The Content of Essential and Toxic Metals in Sesame, Flax, and Black Cumin Seeds, PP-FC-01, pp. 127, Book of Abstracts Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo

Ramić E., Huremović J., Žero S. (2022) Moss and Lichen as Bioindicators of Air Pollution with Cd, Cr, Cu and Pb in Urban Area of Sarajevo, XIV. susret mladih kemijskih inženjera, Zagreb 24. i 25. veljače 2022. (poster pesentacija), Knjiga sažetaka, p. 133

Islamagic, E., Haskovic, E., Marjanovic, M., Žero, S., Muhic-Sarac, T. (2021). Heavy metals from the aquatic environment change the activity of organ-specific enzymes: an example of the brown trout. In FEBS OPEN BIO (Vol. 11, pp. 368-368). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.

Ramic E., Huremovic J., Žero S. (2021) Estimating the impact of acid pH solution on the metal desorption from lichen Evernia prunastri (L.) Ach. Book of Abstracts, Ninth International Conference on Radiation in Various Fields of Research (RAD 2021) 14–18.06.2021, Herceg Novi, Montenegro, <https://doi.org/10.21175/rad.abstr.book.2021.12>.

Pehnec, G., Jakovljević, I., Godec, R., Žero, S., Huremović, J., Džepina, K. (2019) Carcinogenic organic content of particulate matter at urban locations with different pollution sources, 18th World Clean Air Congress, 23-27 September 2019 Istanbul/Turkey, Proceeding of Abstracts, p.10, Oral presentation

Žužul, S., Žero, S., Huremović, J., Rinkovec, J., Godec, R., Džepina, K., Pehnec, G. (2019) Mass concentrations of metals in PM10 particulate matter in the Sarajevo region, Jedanaesti hrvatski znanstveno-stručni skup sa međunarodnim sudjelovanjem ZAŠTITA ZRAKA 2019, Oral presentation, Bol, 15. – 19. listopada 2019., Zbornik sažetaka, p. 57

Džepina K., Moschos V., Tobler A., Canonaco F., Bhattu D., Casotto R., Vlachou A., Giannoukos S., Cui T., Manousakas M.I., Lamkaddam H., Dällenbach K., Huremović J., Žero S., Omerić E., Salihagić S., Mašić A., Pehnec G., Godec R., Jakovljević I., Tuțul

S., Rinkovec J., Kasper-Giebl A., Redl P., Frka S., Uzu G., Jaffrezo J.L., KittnerN., Szidat S., Salazar G., Borrmann S., Pöschl U., Baltensperger U., El Haddad I., Prevot A.S.H., Močnik G. (2021) Sarajevo Canton Winter Field Campaign 2018 (SAFICA): aerosol source apportionment and oxidative potential in a global hotspot, EAC2021, Interactive Live Virtual Event, 30 Aug – 3 Sep 2021

Džepina, K., Moschos, V., Tobler, A., Canonaco, F., Bhattu, D., Casotto, R., Vlachou, A., Giannoukos, S., Cui, T., Manousakas, Manousos I., Lamkaddam, H., Dällenbach, K., Huremović, J., Žero, S., Omerčić, E., Salihagić, S., Mašić, A., Pehnec, G., Godec, R., Jakovljević, I., Žužul, S., Rinkovec, J., Kasper-Giebl, A., Redl, P., Frka, S., Uzu, G., Jaffrezo, Jean L., Kittner, N., Pöschl, U., Borrmann, S., Baltensperger, U., Haddad, Imad E., Prevot, Andre S.H., Močnik, G. (2020) Sarajevo Canton Winter Field Campaign 2018: particulate air pollution in a global hotspot // European aerosol conference – EAC 2020, Aachen, Germany, 2020. (poster, international review, scientific presentation)

Mašić, E., Barudanović, S., Žero, S., Ramić, E., Macanović, A., Boškailo, A., Fejzić, S. (2019). Diversity of diatoms in freshwater oligotrophic habitat types on Vranica Mountain (Bosnia and Herzegovina). Seventh European Phycological Congress, Posters, European Journal of Phycology, 54:sup1, 1-109 (128), DOI: 10.1080/09670262.2019.1626628.

Ramić, E., Huremović, J., Žero, S. (2019) SEM/EDS analysis of the epiphytic lichen Evernia prunastri as the bioindicator of air pollution, 26. kemičara i kemijskih inženjera s međunarodnim sudjelovanjem, Poster presentation, Šibenik, 09.-12.04.2019., Knjiga sažetaka, p. 224

Mašić, E., Barudanović, S., Žero, S., Ramić, E., Macanović, A., Boškailo, A. (2018) Conservation of Freshwater Oligotrophic Habitats on Vranica Mountain and Establishment of Long-term Monitoring of Biodiversity (Bosnia and Herzegovina). In: Vaselek, S., Popović, M., Šećat, J., Ćurić, A. (eds.) (2018): Explore and protect the natural beauty of Balkans. International Rufford Small Grants Conference. 27th – 28th September, 2018, Silver Lake, Serbia. Abstract Book. 54 pp., ISBN: 9788691203320, Poster presentation

Ramić, E., Huremović, J., Žero, S., Olovčić, A. (2018) Comparison of Heavy Metals Content in the Unwashed and Washed Epiphytic Lichen Evernia Prunastri. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of abstracts, p. 89

Etminan, A., Uzunović, A., Topčagić, A., Žero, S., Dizdar, M., Klepo, L., Čulum, D., Tahirović, I. (2018) Utilisation of Derivative UV/Vis Spectrophotometry in Determination of Active Pharmaceutical Ingredient Content in Some Drugs. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Oral presentation, Book of abstracts, p. 24

Kevlj-Olovčić, A., Olovčić, A., Žero, S., Huremović, J. (2018) Water quality of river Bosna. XII Meeting of Young Chemical Engineers 2018, Zagreb, Croatia, 22.-23.2.2018., Poster presentation

Alagić, N., Herceg, K., Huremović, J., Sulejmanović, J., **Žero, S.** (2016) Levels of Pb, Cr and Cd in Soil Samples from Sarajevo and Central Bosnia Canton Areas. 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of abstracts, p. 42

Žero, S., Dacić, M., Čeliković, A., Bubalo, E., Huremović, J. (2016) Variability of PM10 Mass Concentrations in Sarajevo Air. 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of abstracts, p. 47

Ramić, E., Memić, M., **Žero, S.** (2016) Effects of Ni²⁺, Mn²⁺ and Zn²⁺ on Total Chromium Determination in Aqueous Solution. 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of abstracts, p. 49

Ramić, E., Memić, M., **Žero, S.** (2016) Determination of Selected Metals of River Waters that Flow in the Vicinity of Metal Processing Industry. 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of abstracts, p. 50

Stanić, A., Huremović, J., **Žero, S.** (2015) Ispitivanje kvaliteta vode izvorišta Dragota, Kreševo. 2. Znanstveno-stručna konferencija s međunarodnim sudjelovanjem "Zaštita voda u kršu", Mostar, 15.-16.10.2015., Poster presentation, Knjiga sažetaka, str. 80

Mutap, A., Huremović, J., **Žero, S.**, Memić, M. (2015) Određivanje sadržaja Cd u uzorcima riječne vode nakon koncentriranja na kolektoru Fe(OH)₃. 2. Znanstveno-stručna konferencija s međunarodnim sudjelovanjem "Zaštita voda u kršu", Mostar, 15.-16.10.2015., Poster presentation, Knjiga sažetaka, str. 81

Krečo A., Huremović J., **Žero S.** (2014). Determination of copper, chromium and cadmium in food packaging materials by atomic absorption spectrometry-flame technique. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of Abstracts, p. 43

Žero S., Memić M., Huremovic J. (2014) Simultaneous preconcentration of Cu, Fe and Mn on solid sulphur from river water samples prior to determination by FAAS. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation, Sarajevo: Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Poster presentation, Book of Abstracts, p. 53

Žero, S., Huremović, J., Memić, M. (2013) Karakterizacija PM10 frakcije čestica zraka u urbanom i ruralnom području Kantona Sarajevo, "Zaštita Zraka 2013", 9-13 Sep 2013, Šibenik, Croatia, Oral presentation, Book of Abstracts, p. 68

Aliefendić, S., Ranica, A., Adžemović, S., Huremović, J., **Žero, S.** (2013) Biomonitoring zagađenosti zraka u Federaciji Bosne i Hercegovine, "Zaštita Zraka 2013", 9-13 Sep

2013, Šibenik, Croatia, Oral presentation, Book of Abstracts, p. 86

Gini, M.I., Vratolis, S., Diapouli, E., Vassilatou, V., **Zero, S.**, Potiriadis, C., Samek, L., Huremovic, J., Vuletic, C., Sega, K., Freitas, M.C., Radic, R., Misurovic, A., Civici, N., Adamopoulos, A., Chaloulakou A., Papaefthymiou, H., Maggos, T., Rodriguez, A., Markowicz, A., Eleftheriadis, A.K. (2011) Intercomparison exercise for ambient mass concentration measurement of atmospheric particulate matter by gravimetric samplers, EAC2011, European Aerosol Conference, 4-9 Sep 2011, Manchester, UK, Poster presentation, 4P101, Book of Abstracts 721.

Nastavna literatura

Mustafa Memić, **Sabina Žero**, "Praktikum iz instrumentalnih metoda analize", Prirodno-matematički fakultet, 2016; ISBN 978-9958-592-76-8; COBIS.BH-ID 22944262

U Sarajevu, 04.12.2022.