LIČNE INFORMACIJE

Dr. Šehović (Šabanović) Elma

Zmaja od Bosne 33-35, 71000 Sarajevo, Bosna i Hercegovina
+387 33 279 889
elma.sabanovic@pmf.unsa.ba
ORCID 0000-0002-8574-9066
Elma Šehović - ResearchGate
Elma Šehović (Šabanović) - Google Scholar
Elma Šehović - LinkedIn

Citiranost : **173** (04.decembar 2022)
H-indeks:**7**
i10-indeks: **5**

RADNO ISKUSTVO

Prirodno-matematički fakultet Univerziteta u Sarajevu
Odsjek za hemiju, Katedra za analitičku hemiju
Zmaja od Bosne 35, 71 000 Sarajevo, Bosna i Hercegovina
Kabinet: 130/I
Viši asistent za oblast Analitička hemija
+ 387 33 279 889
elma.sabanovic@pmf.unsa.ba
Odsjek za hemiju - Dobro došli - Elma Šehović (unsa.ba)

ZAPOSLENJE

2021- danas	Saradnik-istraživač u okviru društva: International Society of Engineering Science and Technology, Velika Britanija
2019–danas	Viši asistent za oblast Analitička hemija na Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina
2015-2019	Asistent za oblast Analitička hemija na Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina.

OBRAZOVANJE

2016–2021 **Doktorski studij – III ciklus studija**, Prirodno-matematički fakultet, Univerzitet u Sarajevu. Doktorska disertacija: "*Studij sorpcije jona teških metala iz vodenih rastvora na kori limuna - batch metoda*". Mentor: Prof.dr. Jasna Huremović

2013–2014 **Magistar inženjerske hemije,** Prirodno-matematički fakultet, Univerzitet u Sarajevu. Magistarski rad: "*Pulverizirana tikva kao sorbent materijal za prekoncentriranje metalnih jona*". Mentor: Prof. dr. Mustafa Memić

2009–2013 **Bakalaureat/bachelor inženjerske hemije,** Prirodno-matematički fakultet, Univerzitet u Sarajevu. Diplomski rad: „*Pulverizirana kora banane kao novi sorbent za prekoncentriranje teških metala*". Mentor: Prof.dr. Mustafa Memić

2005–2009 JU „Srednja medicinska škola Sarajevo"- farmaceutski tehničar, Sarajevo
1997-2005 JU Osnovna škola „Šejh Muhamed ef. Hadžijamaković", Sarajevo

LIČNE VJEŠTINE

Maternji jezik **Bosanski jezik**

Strani jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski jezik	B2.2	B2.2	B2.2	B2.2	B2.2

Certifikat o poznavanju engleskog jezika: POLIGLOT škola za strane jezike i informatiku, Sarajevo
Stepeni: A1 /2: Početnik - B1/2: Samostalni korisnik - C1/2: Iskusni korisnik
Zajednički europski referentni okvir za jezike

DODATNE INFORMACIJE

Usavršavanja
septembar 2016. *Training & Research for Academic Newcomers, Univerzitet u Sarajevu (2016) (pedagoško obrazovanje)*

Projekti Učestvovala u realizaciji četiri naučno-istraživačka projekta:

Naziv projekta ***Studij pilot postrojenja za uklanjanje teških metala iz industrijskih otpadnih voda upotrebom sorbenata na bazi agro-otpada***
Nosilac *prof. dr. Mustafa Memić (2019), doc.dr. Jasmina Sulejmanović (2020), Prirodno-matematički fakultet Univerziteta u Sarajevu*
Učešće *Saradnik-mladi istraživač*
Finansijer *Ministarstvo za obrazovanje, nauku i mlade, Kantona Sarajevo*
Trajanje *2 godine:* ***2019 - 2021***

Naziv projekta ***Razvoj batch metode za uklanjanje teških metala iz vodenih rastvora primjenom biosorbenata na bazi lignoceluloznog otpada***
Nosilac *prof. dr. Mustafa Memić, Prirodno-matematički fakultet Univerziteta u Sarajevu*
Učešće *Saradnik-mladi istraživač*
Finansijer *Federalno ministarstvo obrazovanja i nauke*
Trajanje *2 godine:* ***2018-2020***

Naziv projekta	***Sinteza, karakterizacija i antitumorne osobine novih kompleksa rutenija sa O, N i S – donorskim ligadima***
Nosilac	*Prof.dr. Nevzeta Ljubijankić, Prirodno-matematički fakultet Univerziteta u Sarajevu*
Učešće	*Saradnik-mladi istraživač*
Finansijer	*Federalno ministarstvo obrazovanja i nauke*
Trajanje	*1 godina:* ***2016***

Naziv projekta	**TEMPUS – NETREL PROJECT:** ***Network for education and training for public environmental laboratories - Mreža za edukaciju i obuku za javne okolinske laboratorije***
Nosilac	*prof.dr. Tidža Muhić-Šarac, Prirodno-matematički fakultet Univerziteta u Sarajevu*
Učešće	*Saradnik*
Finansijer	-
Trajanje	*4 godine:* ***2012-2016.***

Učešće na konferencijama/ obukama/manifestacijama

2022	*25th Conference on Process Integration for Energy Saving and Pollution Reduction - PRES'22, 05-08.09.2022, Bol, Croatia.*
	4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 30.06-02.07, Sarajevo, B&H.
2021	*Participant of the international research workshop (Effective Researcher and Pedagogic Stratification in Academics), University of Sarajevo, Faculty of Science, Sarajevo (14.12.)*
2019	*26th Croatian Meeting of Chemists and Chemical Engineers with International Participation, Šibenik, Croatia.*
2018	*3rd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, B&H.*
	Sixth international scientific conference "June 5th - World environment day", Bihać, B&H.
	Manifestacija:"Otvoreni dani hemije" na Odsjeku za hemiju, Prirodno-matematičkog fakulteta u Sarajevu, (13.-14.04.)
2016	*2ndCongress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, B&H.*
	Obuka: „Određivanje sadržaja pesticida i farmaceutika u površinskim vodama metodom HPLC-DAD", TEMPUS-NETREL („Network for education and training for public environmental laboratories") projekat, Univerzitet u Sarajevu, Prirodno-matematički fakultet, Sarajevo, (08.-12.02.)
	Obuka: „Određivanje pesticida u sedimentu i polifenolnih jedinjenja u površinskim vodama primjenom GC-MS", TEMPUS-NETREL („Network for education and training for public environmental laboratories") projekt, Univerzitet u Banjoj Luci, Prirodno-matematički fakultet, Banja Luka, (25.-29.01.)
2015	*Obuka: „QA/QC u laboratorijama za ispitivanje uzoraka iz životne sredine", TEMPUS-NETREL („Network for education and training for public environmental laboratories") projekt, Univerzitet u Sarajevu, Prirodno-matematički fakultet, Sarajevo, (20.-24.04.)*
	Obuka: „Priprema uzoraka iz životne sredine-voda", TEMPUS-NETREL („Network for education and training for public environmental laboratories") projekt, Univerzitet u Sarajevu, Prirodno-matematički fakultet, Sarajevo, (02.-06.02.)
2014	*1st Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, B&H.*

Članstva

- Član društva *International Society of Engineering Science and Technology*, Velika Britanija
- Član Organizacionog komiteta Međunarodnog Kongresa hemičara i tehnologa Bosne i Hercegovine.
- Član Društva kemičara i tehnologa Kantona Sarajevo.

Nagrade i priznanja

- Nagrada za naučni/umjetnički rad akademskog i naučnoistraživačkog osoblja Univerziteta u Sarajevu za 2019. godinu

BIBLIOGRAFIJA

Naučni radovi u časopisima

1. Bobar Denis, Huremović Jasna, Korjenić Enad, Selović Alisa, Bobar Sejit, **Šehović Elma (2022)**. Bioaccumulation of metals in fish of different diets from hydroaccumulations on the Neretva River, Bosnia and Herzegovina. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina (**Prihvaćeno za objavu** – 27.oktobar 2022)

2. M Nuhanović, **E Šehović**, N Smječanin, D Hodžić, A Vinković (**2022**). Assessment of Natural and Anthropogenic Radionuclides in Urban Soil of Sarajevo (Bosnia and Herzegovina). Radiochemistry, 64, 416–423. (Web of Science - Science Citation Index Expanded; Scopus) https://doi.org/10.1134/S1066362222030201

3. **Šehović, E.,** Memić, M., Sulejmanović, J., Hameed, M., Begić, S., Ljubijankić, N., ... & Sher, F. (**2022**). Thermodynamic valorisation of lignocellulosic biomass green sorbents for toxic pollutants removal. *Chemosphere*, *307*, 135737. (Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 8.943 za 2022, Q1) https://doi.org/10.1016/j.chemosphere.2022.135737

4. Sulejmanović J., Memić M., **Šehović E.**, Omanović R., Begić S., Pazalja M., Ajanović A., Azhar O. and Sher F., **2022**. Synthesis of green nano sorbents for simultaneous preconcentration and recovery of heavy metals from water, Chemosphere, 133971 (Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 7.086 za 2020, Q1) https://doi.org/10.1016/j.chemosphere.2022.133971

5. Jasmina Sulejmanović, Neira Kovač, Mustafa Memić, **Elma Šabanović**, Sabina Begić, Farooq Sher, **2021**. Selective removal of lead ions from aqueous solutions using SiO2–MoO3: Isotherm, kinetics and thermodynamic studies. *Case Studies in Chemical and Environmental Engineering*, 3: 100083 (DOAJ) https://doi.org/10.1016/j.cscee.2021.100083

6. Dženana Ismičić-Tanjo, Jasna Huremović, Alisa Selović, **Elma Šehović, 2021.** Human Health Risk Assessment of Mercury in Soil–Plants System. *International Journal of Environmental Research*, 15:797–805 (Web of Science - Science Citation Index Expanded; Scopus, … Impact factor: 2.479 (2020)) https://doi.org/10.1007/s41742-021-00357-7

7. **Elma Šabanović**, Mustafa Memić, Jasmina Sulejmanović, Alisa Selović, **2020**. Simultaneous adsorption of heavy metals from water by novel lemon-peel based biomaterial. *Polish Journal of Chemical Technology*, 22(1): 46-53 (Web of Science - Science Citation Index Expanded; Scopus, …Impact factor: 1.125 (2020)) https://doi.org/10.2478/pjct-2020-0007

8. Jasmina Sulejmanović, Mustafa Memić, **Elma Šabanović**, Nevzeta Ljubijankić, **2019**. A tantalum(V) oxide impregnated silica gel surface: application as a promising adsorbent for simultaneous heavy metal preconcentration. *Analytical Methods*, 11: 6184 – 6192 (Web of Science Core Collection-Science Citation Index Expanded; Current Contents Agriculture, ..,Impact factor: 2.378 (2019)). https://doi.org/10.1039/C9AY01974J

9. **Elma Šabanović**, Tidža Muhić-Šarac, Mirza Nuhanović, Mustafa Memić, **2019**. Biosorption of uranium(VI) from aqueous solution by *citrus limon* peels: kinetics, equlibrium and batch studies. *Journal of Radioanalytical and Nuclear Chemistry*, 319(1): 425-435 (Web of Science - Science Citation Index Expanded; Scopus, …Impact factor: 1.371 (2020)) https://doi.org/10.1007/s10967-018-6358-3

10. Hajdo Diana, Memić Mustafa, Domitrović Robert, **Šabanović Elma**. **2019**. Changes in mineral content in trainees' blood and urine due to high-intensity training. *Glasnik hemicara i tehnologa Bosne i Hercegovine*, 53: 29-35. https://doi.org/10.35666/ghtbh.2019.53.05

11. Aida Vehab, Jasna Huremović, Sabina Žero, **Elma Šabanović**. **2019**. Essential and toxic metals content in hen eggs at different geographic area in Bosnia and Herzegovina. *Annals. Food Science and Technology*, 20(1): 97-104. ESSENTIAL-AND-TOXIC-METALS-CONTENT-IN-HEN-EGGS-AT-DIFFERENT-GEOGRAPHIC-AREA-IN-BOSNIA-AND-HERZEGOVINA.pdf (researchgate.net)

12. Jasmina Sulejmanović, **Elma Šabanović**, Sabina Begić**,** Mustafa Memić**, 2018.** Molybdenum(VI) oxide-modified silica gel as a novel sorbent for the simultaneous solid-phase extraction of eight metals with determination by flame atomic absorption spectrometry, *Analytical Letters*, 52(4): 588-601 (Web of Science-Science Citation Index Expanded, Current Contents,..., Impact factor:1.206 (2017)) doi:10.1080/00032719.2018.1481418

13. Nevzeta Ljubijankić, Miroslava Stanković, Vele Tešević, Sanja Grgurić-Šipka, Milka Jadranin, Sabina Begić, **Elma Šabanović**, **2018**. Cytokinesis block micronucleus assay in human lymphocytes after exposure to Ru(III) thiosemicarbazone complexes in vitro. *Rasayan Journal of Chemistry*, 11(2): 647– 652 (SCOPUS, CAB International, EBSC,..,RG Journal Impact: 0.29 (2015)). 10.31788/RJC.2018.1123004

14. Šemsa Abdić, Mustafa Memić, **Elma Šabanović**, Jasmina Sulejmanović, Sabina Begić, **2018**. Adsorptive removal of eight heavy metals from aqueous solution by unmodified and modified agricultural waste: tangerine peel, *International Journal of Environmental Science and Technology*, 1-8 (Current Abstracts Science, Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, CAB International, EBSCO,.., Impact factor: 2.037 (2017)). https://doi.org/10.1007/s13762-018-1645-7

15. **Elma Šabanović**, Mustafa Memić**,** Jasmina Sulejmanović, Jasna Huremović, **2016**. Sorption of metals on pulverized pumpkin (*Cucurbita Pepo L.*) peels, *Analytical Letters*, 49(15): 2446-2460 (Web of Science, Current Contents, Science Citation Index Expanded,..., Impact factor:1.15 (2016)). https://doi.org/10.1080/00032719.2016.1152580

16. **Elma Šabanović**, Mustafa Memić**,** Jasmina Sulejmanović, Jasna Huremović, **2015**. Pulverized banana peel as an economical sorbent for the preconcentration of metals, *Analytical Letters*, 48 (3): 442-452 (Web of Science, Current Contents, Science Citation Index Expanded,..., Impact factor: 1.088 (2015)). https://doi.org/10.1080/00032719.2014.947534

Naučni radovi na konferencijama

1. Jasmina Sulejmanović, Ena Skopak, **Elma Šehović**, Adnan Zahirović, Farooq Sher, (**2022**) WASTE BIOMASS OF POMEGRANATE (PUNICA GRANATUM) AS GREEN BIOSORBENT MATERIAL FOR WATER REMEDIATION, 25th Conference on Process Integration for Energy Saving and Pollution Reduction - PRES'22, Bol, Croatia, 05-08.09.2022, Book of Abstracts, PRES22.0168 (oral presentation)

2. Sher F., Sulejmanović J., Begić S., Ziani I., Smječanin N., Karadža A**., Šehović E**., Omanović R., Nuhanović M. (**2022**) ELECTROCOAGULATION COUPLED WITH OXIDATION AS AN EFFECTIVE APPROACH FOR INDUSTRIAL WASTEWATER TREATMENT, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Book of Abstracts, PP-ENC-23, p.123.

3. Masleša, A., Sulejmanović, J., **Šehović, E.,** Begić, S., Sher, F. and Selović. A. **(2022)** BIOSORPTION REMOVAL STUDY OF METHYLENE BLUE DYE FROM AQUEOUS SOLUTION ON A CITRUS LIMON PEEL, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Book of Abstracts, PP-ENC-04, p.104.

4. **Šabanović E.,** Memić, M. BIOSORPTION REMOVAL MECHANISM OF U(VI) IONS FROM AQUEOUS SOLUTION. *26th Croatian Meeting of Chemists and Chemical Engineers with International Participation.* (Šibenik, Hrvatska 09-12 April **2019**), Book of Abstracts, P-D9, p: 225;

5. Hajdo, D., **Šabanović, E**., Domitrović, R., Memić, M. EFFECTS OF HIGH INTENSITY TRAINING ON MINERAL CONTENT CHANGES IN BLOOD AND URINE OF ATHLETES. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina.(Sarajevo, BiH 19-21 October **2018**), Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, PP-AC-10, p: 40;

6. Memić, M., **Šabanović, E.**, Nuhanović, M. APPLICATION OF LIGNOCELLULOSIC WASTE FOR URANIUM REMOVAL FROM AQUEOUS SOLUTIONS. Sixth international scientific conference "June 5th - World environment day'. (Bihać, BiH 18-19 June **2018**). The book of abstracts, p: 45;

7. Omanović, R., Memić, M., **Šabanović, E.** APPLICATION OF GRAPEFRUIT PEEL AS BIOSORBENT FOR REMOVAL OF COPPER(II), LEAD(II), CADMIUM(II) AND ZINC(II) FROM AQUEOUS SOLUTION, 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. (Sarajevo, BiH 21-23 October **2016**), Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, PP-AEC-02, p: 30;

8. **Šabanović E.,** Memić M., Svraka I. THE USE OF PULVERIZED CUCURBITA PEPO PEEL FOR THE PRECONCENTRATION OF CO AND NI IONS FROM AQUEOUS SOLUTIONS, Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation (Sarajevo, BiH 10-12 October **2014**), Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p: 36.

9. Svraka I., Memić M., **Šabanović E**. DETERMINATION OF Fe AND Mn FROM AQUEOUS SOLUTIONS AFTER PRECONCENTRATION ON YTTRIUM (III) OXIDE, Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation. (Sarajevo, BiH 10-12 October **2014**), Special Issue-Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p: 42.

Sarajevo, 04.12.2022. **Šehović Elma**