



Saida Ibragić

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<https://orcid.org/0000-0002-0201-4057> | **Google Scholar:**

<https://scholar.google.com/citations?user=MZBj8BQAAAAJ&hl=en>

ABOUT ME

Projekt menadžer za Horizon Europe projekat Stone monument ensembles and the climate change impact CEEPUS koordinator za UNSA-PMF za mreže:

- Education of Modern Analytical and Bioanalytical Methods
- Reinforcement of research, professional, and education capacities for application in sample preparation of various origins before the corresponding analysis

ERASMUS kontakt osoba na UNSA-PMF, Odsjek za hemiju

WORK EXPERIENCE

UNIVERZITET U SARAJEVU, PRIRODNO-MATEMATIČKI FAKULTET

VANREDNI PROFESOR NA NAUČNIM OBLASTIMA "ORGANSKA HEMIJA" I "BIOHEMIJA" – 2022 – CURRENT

UNIVERZITET U SARAJEVU, PRIRODNO-MATEMATIČKI FAKULTET – ZMAJA OD BOSNE 33-35, 71000 SARAJEVO

DOCENT ZA NAUČNE OBLASTI „ORGANSKA HEMIJA“ I „BIOHEMIJA“ – 2017 – 2022

APOTEKE SARAJEVO, EUROFARM CENTAR

MAGISTAR FARMACIJE – 2008 – 2017

EDUCATION AND TRAINING

2011 – 2015

DOKTOR HEMIJSKIH NAUKA Prirodno-matematički fakultet Univerziteta u Sarajevu, Odsjek za hemiju

2007 – 2011

MAGISTAR HEMIJSKIH NAUKA Prirodno-matematički fakultet Univerziteta u Sarajevu, Odsjek za hemiju

2001 – 2007

MAGISTAR FARMACIJE Farmaceutski fakultet Univerziteta u Sarajevu

LANGUAGE SKILLS

Mother tongue(s): **BOSANSKI JEZIK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
NJEMAČKI JEZIK	C2	C2	C2	C2	C1
ENGLESKI JEZIK	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

• SKILLS

Komunikacijski programi (Skype Zoom TeamViewer) | Mac iOS | Služenje internetom i njegovo pretraživanje | Hemijski software | MS Office (MS Word; MS PowerPoint; MS Excel; MS Publisher; MS Outlook; MS Teams)

• PUBLICATIONS

ORIGINALNI NAUČNI RADOVI (2021 - 2025)

- Karalija E, **Ibragic S**, Dahija S, Samec D (2025) Transgenerational Memory of Phenotypic Traits in Plants: Epigenetic Regulation of Growth, Hormonal Balance, And Stress Adaptation. *Curr Issues Mol Biol*, 47 (6) 404. Doi: 10.3390/cimb47060404
- **Ibragic S**, Dahija S, Karalija E (2025) The Good, the Bad, and the Epigenetic: Metabolite Tales Under Stress. *Epigenomes*. (Accepted for publication)
- **Ibragic S**, Dahija S, Besta-Gajevic R, Durak S, Garbo H, Karalija E (2024) Phytochemicals and antimicrobial properties of traditional plants in Bosnia and Herzegovina. *J Res Pharm*, 29(2). Doi: 10.29228/jrp.2022.00. (Accepted for publication)
- **Ibragic S**, Alijagic A, Ljubuskic N, Avdic L, Huseinagic E, Hodzic R, Ranogajec J, Vucetic S (2024) Multi-analytic study of Oriental manuscripts in Bosnia and Herzegovina from the 15th - 19th century. *Int J Conservation Sci*, 15(3), 1213-1228, doi: 10.36868/IJCS.2024.03.05
- **Ibragic S**, Djug S, Dizdar M, Topcagic A, Pilic S, Besta-Gajevic R, Nuic A, Gajevic M, Vesnic A, Sljuka S, Musovic A, Culum D (2024) GC-MS profiling of organic pollutants and physicochemical, histological, microbiological analyses of water and fish samples from Canton Sarajevo (Bosnia and Herzegovina) rivers. *Global NEST*, 26 (7):1-10, ID 06095, doi: <https://doi.org/10.30955/gnj.06095>
- **Ibragic S**, Mesinovic A, Arnaut S, Delic E, Besta-Gajevic R, Dahija S, Dizdar M, Karalija E (2024) Phytochemical and bioactive profile of medicinal plants used traditionally in Bosnia and Herzegovina. *Nat Prod J*. DOI: 10.2174/0122103155293731231230095516 (In press)
- Ljubijankić N, Šuta E, Čatić A, Begić S, Ljubijankić S, **Ibragić S (2023)** Ru(III) Complexes and Their Ligands Derived from Salicylaldehyde and Halogenated Anilines: Synthesis, Characterization and Antioxidant Activity. *Kemija u industriji*, 72 (7-8), 455-462. DOI: <https://doi.org/10.15255/KUI.20>
- Alijagic A, Kahrovic E, **Ibragic S (2023)** Analytical investigation of two socialist realism portraits exposed to high levels of humidity - case studies from the Historical Museum of Bosnia and Herzegovina. *Int J Conservation Sci*, 14 (3): 819-834, doi: 10.36868/IJCS.2023.03.04
- Karalija E, Samec D, Dahija S, **Ibragic S (2023)** Plants strike back: Plant volatiles and their role in indirect defence against aphids. 10.1111/ppl.13850. DOI: <https://doi.org/10.1111/ppl.13850>
- Samardzic M., Ibragic S. (2022) Correlation between antioxidant and physicochemical parameters of honey samples from Bosnia and Herzegovina and Turkey. *Bull Chem Technol Bosnia Herzegovina*, 59: 17-26. DOI: <https://doi.org/10.35666/2232-7266.2022.59.03>
- Osmic N, Culum D, Ibragic S (2022) Catechins and other phenolic compounds in herb of eight Ephedra species in comparison to Camellia sinensis. *Nat Prod Res*. DOI: <https://doi.org/10.1080/14786419.2022.21>
- Suljević, D., **Ibragić, S.**, Mitrašinić-Brulić, M. and Fočak, M (2022) Evaluating the effects of anticoagulant rodenticide bromadiolone in Wistar rats co-exposed to vitamin K: impact on blood–liver axis and brain oxidative status. *Molecular and cellular biochemistry*, 477(2), pp.525-536.
- **Ibragic S**, Barbini S, Oberlerchner J, Potthast A, Rosenau R, Bohmdorfer S (2021) Antioxidant properties and qualitative analysis of phenolic constituents in Ephedra spp. by HPTLC together with injection port derivatization GC–MS. *J Chromatogr B*, 1180: 122877.
- **Ibragic S**, Milušić R, Smječanin N, Nuhanović M (2021) Pomelo peel and sugar beet pulp as novel biosorbents in purification of biodiesel. *Biofuels*, doi: 10.1080/17597269.2021.1920198
- **Ibragic S**, Suljevic D, Fehratovic E., Mitrasinovic-Brulic M (2021) Artificial sweeteners elicit oxidative stress in rat brain and development of microcytic anemia: Promising protective effects of vitamin C. *J Res Pharm*, 25 (2): 117-123. <https://doi.org/10.35333/jrp.2021.00>

ORIGINALNI NAUČNI RADOVI (2015-2021)

- Haskovic A, **Ibragic S (2021)** Use of Analytical Methods in Revealing the Techniques of Ottoman Calligraphers: An Illuminated Manuscript from the Eighteenth Century. *Studies in Conservation*. <https://doi.org/10.1080/00393630.2021.1885785>
- Lepara O, Zaciragic A, Fajkic A, Dzubur Kulenovic A, Dervisevic A, Valjevac A, Kiseljakovic E, **Ibragic S*** (2020) Peripheral 8-iso-PGF2α as a biomarker in Bosnian patients with Alzheimer's disease and vascular dementia (2020) *Psychiat Danub*, 32 (3-4): 389-394.
- **Ibragic, S.**, Smječanin, N., Hodžić, S., Ramčić, Š., Nuhanović M* (2020) Study of uranium bioaccumulation capacity of *Salvia officinalis* and *Ocimum basilicum* enhanced by citric acid. *Bull Chem Technol Bosnia Herzegovina*, 54: 1-6

- Mirza Nuhanovic, Tatjana Lucic, Mustafa Memic, **Saida Ibragic (2019)** Evaluation of physicochemical properties of biodiesel-diesel blends in the context of fuel quality. *Adv Biores*, 10 (3), 93-102
- Mirza Nuhanovic, Ajla Topalovic, Dusan Culum, **Saida Ibragic (2018)** The Effectiveness of Natural and Synthetic Antioxidant Additives on the Oxidation Stability of Biodiesel Synthesized from Fresh and Waste Sunflower oil. *Orbital: Electron* 10 (7): 535-42.
- **Ibragic S**, Sofic E, Tahirovic I, Uzunovic A, Kresic D, Kalcher K **(2017)** Utilisation of a Simple and Fast HPLC-UV Method for Separation and Quantification of Ephedrine Alkaloids in Herb of Different *Ephedra* Species. *RRJPTS* 5(2): 7-10
- **S. Ibragic**, I. Matak, A. Dracic, A. Smajlovic, M. Muminovic, F. Proft, E. Sofic, Z. Lackovic, P. Riederer **(2016)** Effects of botulinum toxin type A facial injection on monoamines and their metabolites in sensory, limbic and motor brain regions in rats. *Neurosci Lett* 617: 213-7
- **Ibragic S**, Sofic E **(2015)** Chemical composition of various *Ephedra* species. *Bos J Bas Med Sci* 15 (3): 1-7
- **Ibragic S**, Salihovic M, Tahirovic I, Toromanovic J **(2014)** Quantification of some phenolic acids in the leaves of *Melissa officinalis* L. from Turkey and Bosnia. *Bull Chem Technol Bosnia Herzegovina* 42: 47-50
- Mahmutovic O, Tahirovic I, Copra A, Memic M, **Ibragic S**, Karic L **(2014)** Correlation of Total Secondary Sulfur Compounds, Total Phenols and Antioxidant Capacity in the Ramsons and Garlic. *Br J Pharm Res* 4(23): 2662-9
- Mahmutovic O, Bahto A, Pucarevic M, **Ibragic S**, Sofic E **(2014)** Effects of Different Manures on Quantity of Sulfur Compounds in the Garlic. *Int J Plant & Soil Sci* 3(12): 1531-7
- Keskin-Sasic I, Tahirovic I, Topcagic A, Klepo L, Salihovic M, **Ibragic S**, Toromanovic J, Ajanovic A, Velispahic E **(2013)** Total Phenolic Content and Antioxidant Capacity of Fruit Juices. *Bull Chem Technol Bosnia Herzegovina* 39: 25-8
- **Ibragic S**, Sofic E, Suljic E, Avdagic N, Bajraktarevic A, Tahirovic I **(2012)** Serum Nitric Oxide Concentrations in Patients with Multiple Sclerosis and Patients with Epilepsy. *J Neural Transm* 119: 7- 11
- Hadzovic-Dzuvo A, Lepara O, Valjevac A, Avdagic N, Hasic S, Kiseljakovic E, **Ibragic S**, Alajbegovic A **(2011)** Serum total antioxidant capacity in patients with multiple sclerosis. *Bos J Bas Med Sci* 11 (1): 36-36

KONFERENCIJSKA SAOPŠTENJA

- **Ibragic S**, Culum D, Dizdar M, Topcagic A*, Pilic S, Besta-Gajevic R, Nuic A, Gajevic M, Vesnic, A, Sljuka S, Musovic A, Djug S (2024) Physico-Chemical, Histological, Microbiological Analyses and Organic Pollutants Determination of Water and Fish Samples From Miljacka River. 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p92
- Kudumović E, Sulejmanović J*, Begić, Šehović E, **Ibragić S** (2024) Lignocelulosic Waste Lemon Peel Enrolled as a Biosorbent for the Emerging Contaminant (Aspirin) Removal. 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p98
- **Ibragic S**, Karalija E, Radonic I, Bozur I, Rosenau T, Boehmdorfer S (2024) Variations in chemical composition of essential oils among different *Ephedra* species. 2nd EUSPMF, Sarajevo. Book of Abstracts, p37
- **Ibragic S**, Petar T, Djukic A, Bozur I, Murga M, Dizdar M, Topcagic A (2024) Phenolic composition and enzyme inhibitory activities of selected medicinal plant extracts. 2nd EUSPMF, Sarajevo. Book of Abstracts, p35.
- **Ibragic S**, Murga M, Tuka P, Radonic I, Dizdar M, Topcagic A (2024) Phenolic profiling and enzyme inhibitory potential of leaf extracts used in traditional medicine of Bosnia and Herzegovina. 2nd EUSPMF, Sarajevo. Book of Abstracts, p36.
- Piplas A, Selovic A, **Ibragic S**, Dahija S, Karalija E (2024) Transgenerational memory determines the tolerance to diverse types of stress. 2nd EUSPMF, p67
- Lagumdžija D, Herenda Pušina N, Kudić B, Pehlivanović Kelle B, Lepara O, Kapić D, Čosović E, Terko E, Bečić E, Hamzić-Mehmedbašić A, Kulo Česić A, **Ibragić S (2023)** Potentially nephroprotective properties of curcumin in an animal study of adenine-induced chronic kidney disease. Association of Biochemists and Molecular Biologist in B&H Conference, Sarajevo, 18-20 May 2023. Book of Abstracts, p 56.
- Toromanovic J, **Ibragic S**, Medunjanin D, Dizdar M, Buza N, Tresno A, Tahirovic I **(2022)** Total Phenolics, Total Proteins and Antioxidant Activity in Royal Jelly from Bosnia and Herzegovina, ICCCEB&H, Sarajevo. Book of Abstracts, p 81.
- **Ibragic S**, Alijagic A, van der Bergh JM, Ranogajec J, Vucetic S **(2022)** Characterization of materials used in an Islamic manuscript from the 18th century. 8th Balkan Symposium on Archaeometry. Belgrade. Book of Abstracts, p 99 - 100.
- Alijagic A, **Ibragic S (2022)** Characterization of Painting Technology and Damage Caused by High Humidity on Two Socialist Realism Portraits from the History Museum of Bosnia and Herzegovina. 4th ICCCEB&H, Sarajevo. Book of Abstracts, p 38.
- Ljubijankic N, Begic S, **Ibragic S (2022)** Antioxidant activity of Ru(III) complexes and their ligands derived from salicylaldehyde and halogenated anilines. 4th ICCCEB&H, Sarajevo. Book of Abstracts, p 47.
- Sofić E, Zildžić A, **Ibragić S (2022)** Osman ibn Abdurrahman i njegov tursko-osmanski prijevod Mattiolijevog komentara Dioskuridove Materia Medica-e Osman ibn Abdurrahman and his Ottoman-Turkish translation of Mattioli's commentary on Dioscorides's Materia Medica. International Symposium Medicine without Borders: Health and Healing in Ottoman Bosnia and Beyond. Sarajevo, B&H. Book of Abstracts, p 20

- **Ibragic S**, Culum D, Dizdar M, Topcagic A*, Pilic S, Besta-Gajevic R, Nuic A, Gajevic M, Vesnic, A, Sljuka S, Musovic A, Djug S (2024) Physico-Chemical, Histological, Microbiological Analyses and Organic Pollutants Determination of Water and Fish Samples From Miljacka River. 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p92
- Kudumović E, Sulejmanović J*, Begić, Šehović E, **Ibragić S** (2024) Lignocelulosic Waste Lemon Peel Enrolled as a Biosorbent for the Emerging Contaminant (Aspirin) Removal
- **Ibragic S (2018)** Antioxidative Capacity of *Ephedra nebrodensis* Herb Extracts. International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants, Tokyo, P08
- Samardzic M, **Ibragic S (2018)** 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p55
- Selimhodžić K, **Ibragić S (2018)** Antioxidant activity of aqueous extracts of three *Ephedra* species. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p74
- Kristić D, Šimunić I, **Ibragić S**, Čulum D, Klepo L, Tahirović I (2018) Determination of total protein content in royal jelly samples by an UV spectrophotometric method. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p59
- Šimunić I, Kristić D, **Ibragić S**, Čulum D, Klepo L, Tahirović I (2018) Determination of the total phenolic content of royal jelly using a spectrophotometric method. 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Book of Abstracts, Special Issue of Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, p60
- **Ibragic S (2019)** Oxidative Stress Related Diseases, Biomarkers and Antioxidants. 11th Days off BHAAAS in Bosnia and Herzegovina, Acta Medica Academica, 48 (1):11.
- Copra-Janicijevic A, **Ibragic S**, Salihovic M, Huseinovic S, Muradic S, Sofic E (2014) Fluorimetric determination of L-ascorbic acid in different *Allium* sp. 8th Conference on Medicinal and Aromatic Plants of Southeast European Countries, Durrës, Albania, Book of abstracts and poster presentations, 222.
- **Ibragic S**, Salihovic M, Tahirovic I, Toromanovic J, Dzudzevic-Cancar H, Sofic E (2013) Quantification of some phenolic acid in the leaves of *Mellisa officinalis* L. from Turkey and Bosnia. 1st Mediterranean Symposium on Medical and Aromatic Plants, Turkish Republic of Northern Cyprus, Book of abstracts, 304
- **Ibragic S**, Sofic E (2014) Spectrophotometric determination of total phenolics and total flavonoid contents in extracts of different *Ephedra* species. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*. Book of Abstracts, Special Issue, 78

UDŽBENICI

- Ibragic S (2019) Praktikum iz bioanalitičke hemije. Sarajevo: Prirodno-matematički fakultet Univerziteta u Sarajevu. (ISBN 978-9926-453-22-0)
- Brulic-Mitrasinovic M., Ibragic S (2022) Osnove fiziologije i biohemije ishrane. Sarajevo: Univerzitet u Sarajevu/ Prirodno-matematički fakultet. (ISBN: 978-9926-453-50-3)
- Karalija E, Macanović, Selović A, Bešta - Gajević, Dahija S, Ibragić S, Pilić S (2025) Biljne interakcije i životne adaptacije. Sarajevo: Univerzitet u Sarajevu/ Prirodno-matematički fakultet. (U procesu izdavanja knjige)

• NETWORKS AND MEMBERSHIPS

Članstvo u akademijama, naučnim i stručnim organizacijama

- Društvo hemičara i tehnologa Kantona Sarajevo i Prirodno-matematičkog fakulteta
- Asocijacija ljekovitih i aromatičnih biljaka mediteranskog područja (AMAPMED)

• CONFERENCES AND SEMINARS

Konferencije, simpoziji i kongresi

- (2024) 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH
- (2024) 2nd European Symposium on Phytochemicals in Medicine and Food, Sarajevo, BiH
- (2024) Clean Oceans and Mapping Our seas / using advanced 3D digitisation technologies for preserving our cultural heritage. Malta
- (2023) BiH u programima Evropske unije: Prilike i izazovi za period 2021-2027. Sarajevo, B&H.
- (2022) 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH

- (2022) International Symposium Medicine without Borders: Health and Healing in Ottoman Bosnia and Beyond. Sarajevo, B&H.
- (2022) Uloga nauke u implementaciji Ciljeva održivog razvoja. Sarajevo, B&H.
- (2021) Istraživačka radionica: "Effective Researcher and Pedagogic Stratification in Academics". Sarajevo. Organiser: Trent Nottingham University, prof. dr. Farooq Sher..
- (2021) 1st Symposium on AD: An update on pathology and therapeutics. Laboratório de Engenharia de Processos, Ambiente, Biotecnologia e Energia. Faculdade de Engenharia da Universidade do Porto
- (2020) Food Structure & Functionality Online Mini Symposium
- (2019) Dani BHAAAS u BiH. Bosanskohercegovačko – američka akademija umjetnosti i nauke. Sarajevo, BiH
- (2019) Erasmus MOBILE+3 (Teaching Mobility). Porto, Portugal
- (2018) 2nd International Congress and Exhibition on Pharmacy. Pariz, Francuska
- (2018) International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants. Tokio, Japan
- (2018) 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Sarajevo, BiH
- (2016) Dani kvaliteta. Agencija za kvalitet i akreditaciju u zdravstvu u FBiH. Sarajevo, BiH
- (2016) VI simpozij magistara farmacije FBiH - Menadžment i marketing u farmaciji. Neum, BiH
- (2015) Prva konferencija medicinskog i biološkog inženjeringa u Bosni i Hercegovini (CMBEBIH 2015). Sarajevo, BiH
- (2015) Pfizer Pharmacy Academy. Istanbul, Turska
- (2014) Kongres Hemičara i Tehnologa Bosne i Hercegovine sa međunarodnim učešćem. Sarajevo, BiH
- (2014) Simpozij farmaceuta Federacije Bosne i Hercegovine sa međunarodnim učešćem: Kako promijeniti ulogu farmaceuta. Sarajevo, BiH
- (2013) First Mediterranean Symposium on Medicinal and Aromatic Plants. Famagusta, Sjeverni Kipar
- (2013) Simpozij - banka matičnih stanica, Future Health Biobank. Sarajevo, BiH
- (2012) ISPOR BH kurs „Osnove farmakoekonomike i zdravstvene ekonomije“. Sarajevo, BiH

PROJECTS

Naučno-istraživački projekti

- (2024) Hemijska karakterizacija i bioaktivni profil biljnih vrsta tradicionalne medicine u BiH upotrebom savremenih analitičkih i komputacijskih metoda (HEMBIOBIH). Finansijer: Ministarstvo za nauku, visoko obrazovanje i mlade Kanton Sarajevo. Uloga: Voditelj projekta.
- (2023) Horizon Europe projekat: Stone monument ensembles and the climate change impact. Finansijer: Evropska komisija. Uloga: projekt menadžer.
- (2023) Analiza pesticida i ekološka klasifikacija zagađenja vodotoka Kantona Sarajevo. Finansijer: Ministarstvo za nauku, visoko obrazovanje i mlade Kanton Sarajevo. Uloga: istraživač.
- (2021) Ispitivanje protektivnog djelovanja kurkumina, rosuvastatina i njihove kombinacije na adenin-induciranom modelu hronične bubrežne bolesti kod Wistar štakora. Saradnik na projektu (naučni istraživač). Finansijer: Ministarstvo za nauku, visoko obrazovanje i mlade Kanton Sarajevo. Uloga: istraživač.
- (2019-2023) Project: „Procjena stanja prirode i upravljanje prirodnim resursima u BiH“/“Supporting decision making and building capacity to support IPBES through national ecosystem assessments”, PMF UNSA, Centar za ekologiju i prirodne resurse, Center for Ecology and Natural Resources „Akademik Sulejman Redžić“, World Conservation Monitoring Centre (WCMC), UK. Saradnik na projektu (autor). Voditelj projekta: prof. dr. Senka Barudanović
- (2019) "Characterization and processing of Ephedra extracts". Saradnik na projektu (naučni istraživač). Finansijer: Austrian Biorefinery Center Tulln; Open access funding provided by University of Natural Resources and Life Sciences Vienna. Voditelj projekta: Univ.Prof. Dipl.-Chem. Dr. Dr.h.c. Thomas Rosenau. Beč, Austrija. Uloga: istraživač.
- (2018) "Korelacije antioksidativne aktivnosti, sadržaja ukupnih fenola i ukupnih proteina u uzorcima bosansko-hercegovačke matične mliječi. Sarajevo, BiH". Saradnik na projektu (naučni istraživač). Finansijer: Federalno ministarstvo obrazovanja i nauke. Voditelj projekta: prof. dr. Ismet Tahirović. Sarajevo, BiH. Uloga: istraživač.
- (2013) "Antinociceptivna aktivnost botulinum toksina tip A: novi mehanizam djelovanja, nove indikacije?". Saradnik na projektu (naučni istraživač). Finansijer: Deutscher akademischer Austauschdienst. Voditelj projekta: Prof. Dr. Dr. H.c. Peter Riederer. Würzburg, Njemačka. Uloga: istraživač.

CITIRANOST U MEĐUNARODNIM ČASOPISIMA

Datum

- SCOPUS: ukupna citiranost 239, h-indeks 7 na dan 25/06/2025
- Google Scholar: ukupna citiranost 448, h-indeks 9, i10-indeks 9 na dan 25/06/2025

● RECENZIJA KNJIGA I UDŽBENIKA

Recenzent za sljedeće publikacije:

- Ismet Tahirović, Lejla Klepo, Jasmin Toromanović (2018). *Praktikum iz hemije makromolekula*, Prirodno-matematički fakultet Univerziteta u Sarajevu, ISBN 978-9958-592-99-7
- Ismet Tahirović, Anela Topčagić, Nermin Buza (2018) *Zbirka zadataka iz biohemije I*, Prirodno-matematički fakultet Univerziteta u Sarajevu. ISBN 978-9926-543-00-8; COBISS.BH-ID 25331462.
- Recenzije naučnih radova u časopisima: Moelcules, Separation, Journal of Research in Pharmacy, Heritage Science, Natural Products Research

● NASTAVNO-PEDAGOŠKI RAD

Nastava za I i II ciklus studija

U periodu od 2017. do 2021. godine u zvanju docenta, te od 2021. godine u zvanju vanrednog profesora učestvovala u realizaciji nastave (predavanja, laboratorijske i teorijske vježbe) na više predmeta I i II ciklusa studija na **Odsjeku za hemiju** Prirodno-matematičkog fakulteta Univerziteta u Sarajevu.

I ciklus studija

- Biohemija I (vježbe)
- Biohemija II (vježbe)
- Bioanalitička hemija (vježbe)
- Biohemija ksenobiotika (vježbe, predavanja)

II ciklus studija

- Analitičke metode u forenzičkoj hemiji (vježbe i predavanja)
- Imunohemija (vježbe i predavanja)

Na **Odsjeku za biologiju** Prirodno-matematičkog fakulteta bila je odgovorni nastavnik za predmet II ciklusa studija:

- Metabolizam i toksikologija lijekova (predavanja)

U okviru II ciklusa **interdisciplinarnog studija** (Prirodno-matematički fakultet, Akademija likovnih umjetnosti, Arhitektonski fakultet) realizirala nastavu iz predmeta Laboratorij II u funkciji analize artefakata (vježbe i predavanja).

Odgovorni nastavnik za predmete I ciklusa studija na **drugim fakultetima Univerziteta u Sarajevu** I ciklusa studija:

- Medicinska biohemija (Stomatološki fakultet) i
- Biohemija (Fakultet zdravstvenih studija)
- Biohemija I metabolizam ishrane (Fakultet zdravstvenih studija)

Vanjski saradnik na **Sarajevo School of Science and Technology**

- Drug Biochemistry (Faculty of Pharmacy)

● MENTORSTVO

Završni radovi II ciklusa studija

Mentor je 32 završna rada II ciklusa studija od kojih je 24 odbranjeno:

1. Kasim Selimović (2018) Određivanje antioksidativne aktivnosti u ekstraktima herbe različitih Ephedra vrsta
2. Nejra Džeko (2018) Određivanje sadržaja ukupnih fenola i antioksidativne aktivnosti u odabranim nutritivnim preparatima
3. Emir Fehratović (2019) Uticaj umjetnih zasladjivaca na hematološke parametre i oksidativni stres kod pacova *Rattus norvegicus* (soj Wistar).
4. Šadija Ramčić (2019) Spektrofotometrijsko određivanje bioakumulacije urana u biljnoj vrsti *Ocimum basilicum*
5. Sara Hodžić (2020) Spektrofotometrijsko određivanje bioakumulacije urana u biljnoj vrsti *Salvia officinalis*
6. Nuđejma Osmić (2020) Kvantifikacija fenolnih spojeva HPLC-DAD metodom i određivanje citogenotoksičnosti ekstrakta različitih Ephedra sp.
7. Melinda Samardžić (2020) Određivanje sadržaja ukupnih proteina i anQoksidaQvne akQvnosQ u uzorcima matične mliječi i meda sa područja BiH
8. Belma Jusić (2020) Ispitivanje citogenotoksičnosti eteričnog ulja i ekstrakata različitih Ephedra sp. na kulturi humanih limfocita
9. Azra Hasković (2021) Konzervacija i restauracija orijentalnog rukopisa iz 1738. godine.
10. Nejra Ljubuškić (2021) Dva značajna rukopisa (Tarikatun Muhammediyya i zbirka gazela) kroz konzervatorsko-restauratorski proces

11. Elha Dedić (2021) Konzervacija i restauracija dva značajna rukopisa iz 18. i 19. stoljeća
12. Hava Garbo (2021) Određivanje antioksidativne aktivnosti ekstrakata ljekovitih biljaka sa područja Bosne i Hercegovine DPPH metodom
13. Selma Durak (2021) Određivanje antioksidativne aktivnosti ekstrakata ljekovitih biljaka sa područja Bosne i Hercegovine FRAP metodom
14. Lamija Avdić (2021) Konzervacija i restauracija rukopisa Kur'ana iz 18.stoljeća
15. Ajla Alijagić (2022) Konzervacija i restauracija prenosive slike iz fundusa Historijskog muzeja BiH
16. Amina Kaljanac (2022) Ispitivanje potencijalno blagotvornog učinka ekstrakta maslačka na oksidativni stres induciran natrij-benzoatom.
17. Dunja Savić (2022) Određivanje koncentracije malondialdehida i sadržaja ukupnih proteina u homogenatima . hepatalnog tkiva štakora tretiranih sa fluoksetinom.
18. Aisa Mešinović (2022) Određivanje specifične aktivnosti katalaze u homogenatima moždanog i hepatalnog tkiva štakora tretiranih sa fluoksetinom.
19. Adna Fejzić (2022) Određivanje koncentracije malondialdehida i sadržaja ukupnih proteina u homogenatima moždanog tkiva štakora tretiranih sa fluoksetinom.
20. Emina Jamaković (2023) Ispitivanje protektivnog djelovanja kurkumina i rosuvastatina na oksidativni stres u homogenatima tkiva miokarda štakora
21. Lamija Topoljak (2023) Priprema visokoodržive membrane na bazi SiO₂ za uklanjanje paracetamola iz vodene sredine
22. Emina Bečić (2023) Uticaj kurkumina i rosuvastatina na lipidnu peroksidaciju u tkivima pluća i srca na modelu hronične bubrežne bolesti kod štakora
23. Tarik Čorbo (2024) Ispitivanje protektivnog djelovanja kurkumina i rosuvastatina na oksidativni stres u homogenatima tkiva miokarda štakora
24. Ruhulah Hodžić (2025) Konzervatorsko restauratorski radovi na rukopisu iz 18. stoljeća – Sudijev Tefsir.

Završni radovi I ciklusa studija

Mentor je devet završnih radova I ciklusa ciklusa studija na Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu.