



Saida Ibragić

Date of birth: 31/08/1983 | **Nationality:** Bosnian-Herzegovinian | **Phone number:** (+387) 33279914 (Work) | **Email address:** saidetun19@gmail.com | **Email address:** saida.i@pmf.unsa.ba | **ORCID:** <https://orcid.org/0000-0002-0201-4057> | **Google Scholar:** <https://scholar.google.com/citations?user=MZBj8BQAAAAJ&hl=en>

EDUCATION AND TRAINING

2001 - 2007
MPHARM University of Sarajevo - Faculty of Pharmacy

2008 - 2011
MASTER OF SCIENCE IN CHEMISTRY University of Sarajevo - Faculty of Science, Department of Chemistry

2011 - 2015
DOCTOR OF PHILOSOPHY IN CHEMISTRY University of Sarajevo - Faculty of Science, Department of Chemistry

WORK EXPERIENCE

2022 - CURRENT
ASSOCIATE PROFESSOR AT THE DEPARTMENT OF CHEMISTRY UNIVERSITY OF SARAJEVO - FACULTY OF SCIENCE

2017 - 2022 Zmaja od Bosne 33-35, 71000 Sarajevo
ASSISTANT PROFESSOR AT THE DEPARTMENT OF CHEMISTRY UNIVERSITY OF SARAJEVO - FACULTY OF SCIENCE

2008 - 2017
PHARMACIST APOTEKE SARAJEVO, EUROFARM CENTAR

LANGUAGE SKILLS

Mother tongue(s): **BOSNIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GERMAN C2		C2	C2	C2	C1
ENGLISH C2		C2	C2	C2	C2

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

DIGITAL SKILLS

Mac iOS | MS Office (MS Word; MS PowerPoint; MS Excel; MS Publisher; MS Outlook; MS Teams) Communication platforms (Zoom, Skype...), Chemistry software, WordPress

ADDITIONAL INFORMATION

PROJECTS

Scientific research projects

(2024) Chemical characterization and bioactive profile of plant species traditional medicine in B&H using modern ones analytical and computational methods. Funded by: Ministry of Science, Higher Education and Youth Canton of Sarajevo. Role: project leader.

(2023 - 2027) Horizon Europe project: Stone monument ensembles and the climate change impact. Funded by: European Union. Role: project manager.

(2019-2023) Project: "Assessment of the state of nature and management of natural resources in BiH"/"Supporting decision making and building capacity to support IPBES through national ecosystem assessments", PMF UNSA, Center for Ecology and Natural Resources, Center for Ecology and Natural Resources "Akademik Sulejman Redžić", World Conservation Monitoring Center (WCMC), UK. Project collaborator (author). Project manager: prof. dr. Senka Barudanović

(2023) Pesticide analysis and ecological classification of watercourse pollution in Sarajevo Canton. Funded by: Ministry of Science, Higher Education and Youth Canton of Sarajevo. Role: researcher.

(2021) Investigation of the protective effect of curcumin, rosuvastatin and their combination on adenine-induced model of chronic kidney disease in Wistar rats. Project associate (scientific researcher). Funded by: Ministry of Science, Higher Education and Youth Canton of Sarajevo

(2019) "Characterization and processing of Ephedra extracts". Scientific researcher. Funding: Austrian Biorefinery Center Tulln; Open access funding provided by the University of Natural Resources and Life Sciences Vienna. Role: researcher. Project manager: Univ. Prof. Dipl.-Chem. dr. Dr.h.c. Thomas Rosenau. Vienna, Austria

(2018) "Correlations of antioxidant activity, content of total phenols and total proteins in samples of Bosnian-Herzegovinian royal jelly. Sarajevo, BiH". Scientific researcher. Funding: Federal Ministry of Education and Science. Role: researcher. Project manager: prof. dr. Ismet Tahirović. Sarajevo, BiH

(2013) "Antinociceptive activity of botulinum toxin type A: new mechanism of action, new indications?". Project associate (scientific researcher). Funder: Deutscher akademischer Austauschdienst. Role: researcher. Project leader: Prof. dr. H.c. Peter Riederer. Würzburg, Germany

CONFERENCES AND SEMINARS

Conferences, congresses, symposia

- (2024) Clean Oceans. Malta
- (2024) 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H
- (2024) 2nd European Symposium of Phytochemicals and Medicinal Food, Sarajevo, B&H
- (2023) The role of science in the implementation of the Sustainable Development Goals. Sarajevo, B&H.
- (2021) Workshop for researchers: "Effective Researcher and Pedagogic Stratification in Academics". Sarajevo. Organizer: Trent Nottingham University, prof. Ph.D. 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) Days of BHAAAS in BiH. Bosnia and Herzegovina - American Academy of Arts and Sciences. Sarajevo, B&H
- (2019) Erasmus MOBILE+3 (Teaching Mobility). Porto, Portugal
- (2018) 2nd International Congress and Exhibition on Pharmacy. Paris, France

- (2018) International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants. Tokyo, Japan
- (2018) 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Sarajevo, B&H
- (2016) Days of Quality. Agency for quality and accreditation in healthcare in FBiH. Sarajevo, B&H
- (2016) VI Symposium of Master of Pharmacy FBiH - Management and Marketing in Pharmacy. Neum, B&H
- (2015) The first conference of medical and biological engineering in Bosnia and Herzegovina (CMBEBIH 2015). Sarajevo, BiH
- (2015) Pfizer Pharmacy Academy. Istanbul, Turkey
- (2014) Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation. Sarajevo, B&H
- (2014) Symposium of pharmacists of the Federation of Bosnia and Herzegovina with international participation: How to change the role of pharmacists. Sarajevo, BiH
- (2013) First Mediterranean Symposium on Medicinal and Aromatic Plants. Famagusta, Northern Cyprus
- (2013) Symposium - stem cell bank, Future Health Biobank. Sarajevo, B&H
- (2012) ISPOR BH course "Fundamentals of Pharmacoeconomics and Health Economics". Sarajevo, BiH

PUBLICATIONS

Original research papers

1. **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 (CiteFactor, OAJI)
2. **Ibragic S**, Matak I, Dracic A, Smajlovic A, Muminovic M, Proft F, Sofic E, Lackovic Z, Riederer P (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 (Current Contents - Life Sciences, CAS, Scopus, Elsevier BIOBASE, Science Citation Index, PubMed/Medline)
3. **Ibragic S**, Sofic E (2015) Chemical composition of various *Ephedra* species. *Bos J Bas Med Sci* 15 (3): 1-7 (WoS ESCI, Scopus, CAS, EBSCO, JCR, PubMed/Medline)
4. **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 (WoS ESCI, EBSCO, CAPlus)
5. Mahmutovic O, Tahirovic I, Copra A, Metic 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 (ICI Journals Master List / ICI World of Journals, Worldcat, EBSCO, Google Scholar, CAS)
6. 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
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 (Index Copernicus, CAS, CNKI, NAAS)
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 (Current Contents/ Life Sciences, BIOSIS, CAB Abstracts, CNKI, EBSCO, Scopus, WoS ESCI)
9. 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 (WoS ESCI, Scopus, CAS, EBSCO, JCR, PubMed/Medline)
10. Nuhanovic M, Topalovic A, Culum D, **Ibragic S** (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. DOI: <http://dx.doi.org/10.17807/orbital.v10i7.1174>
11. Nuhanovic M, Lucic T, Memić M, **Ibragic S** (2019) Evaluation of physicochemical properties of biodiesel-diesel blends in the context of fuel quality. *Adv Biores* 10 (3), 93-102 DOI: 10.15515/abr.0976-4585.10.3.93102

12. Lepara O, Zaciragic A, Fajkic A, Dzibur Kulenovic A, Dervisevic A, Valjevac A, Kiseljakovic E, **Ibragic S** (2020) Peripheral 8-iso-PGF2 α as a biomarker in Bosnian patients with Alzheimer's disease and vascular dementia (2020) *Psychiat Danub* 32 (3-4): 389-394.
13. **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.
14. Lepara O, **Ibragic S**, Rebic D, Zukic E, Krupic F, Dzibur A, Fajkic A, Pepic E, Novakovic A, Gojak R (2021) Serum levels of nonenzymatic antioxidants in female dementia patients with respect to the degree of cognitive impairment. *Bull Chem Technol Bosnia Herzegovina*, 56: 21-28. DOI: <https://doi.org/10.35666/2232-7266.2021.656.04>
15. Lepara O, **Ibragic S**, Zaciragic A, Fajkic A, Dervisevic A, Pepic E, Krupic F (2021) Correlation between serum activity of liver enzymes and cognitive impairment in Alzheimer's disease and vascular dementia. *Acta Medica Saliniana*, 51 (1-2):41-45, doi: 10.5457/582
16. Haskovic A, **Ibragic S** (2021) Analytical Methods in Revealing the Techniques of Ottoman Calligraphers: An Illuminated Manuscript from the Eighteenth Century. *Stud Conserv*, 1-14. DOI: <https://doi.org/10.1080/00393630.2021.1885785>
17. **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>
18. **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
19. **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. <https://doi.org/10.1016/j.jchromb.2021.122877>
20. Suljević, D., **Ibragić, S.**, Mitrašinović-Brulić, M. and Fočak, M., 2021. 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.
21. 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*, ... Accepted paper.
22. 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*. <https://doi.org/10.1080/14786419.2022.2149517>
23. 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
24. Ljubijankić N, Šuta E, Ćatić 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, <https://doi.org/10.15255/KUI.20>
25. 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
26. Pehlivanovic Kelle B, **Ibragic S**, Kulo Cestic A (2023) Animal models of oxidative stress research and natural products and phytochemicals. In: *Oxidative Stress in Human Pathophysiology*, Eds: Fajkic A, Lepara O. Univerzitet u Sarajevu - Medicinski fakultet, Sarajevo.
27. **Ibragic S**, Mesinovic A, Arnaut S, Delic E, Besta-Gajevic R, Dahija S, Dizdar M, Karalija E (2023) Phytochemical and bioactive profile of medicinal plants used traditionally in Bosnia and Herzegovina. *Nat Prod J*, Article ID: e130224226917, doi: 10.2174/0122103155293731231230095516

28. **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 NIST Journal* (accepted paper).

Books

- **Ibragic S** (2019) Laboratory manual in bioanalytical chemistry. Sarajevo: Prirodno-matematički fakultet Univerziteta u Sarajevu. (ISBN 978-9926-453-22-0)
- Brulic-Mitrasinovic M., **Ibragic S** (2022) Basic principles in nutritional physiology and biochemistry. Sarajevo: Univerzitet u Sarajevu - Prirodno-matematički fakultet. (ISBN: 978-9926-453-50-3)

CONFERENCES

Conference Proceedings

1. **Ibragic S**, Sofic E (2015) Adjustment of quantification of catecholamines and their metabolites in biological samples using the Shimadzu LCSOL SINGLE-LC EN HPLC system with electrochemical detection. *1st Conference of Medical and Biological Engineering in Bosnia and Herzegovina*. Book of Proceedings, 255-8
2. Boloban A, Tahirovic I, **Ibragic S**, Dzudzevic-Cancar H, Toromanovic J, Ajanovic A, Leparo O, Kulenovic A (2015) Determination of gender-specific differences in total iron levels in human serum using a spectrophotometric method. *1st Conference of Medical and Biological Engineering in Bosnia and Herzegovina*. Book of Proceedings, 284 - 7
3. Selman S, Toromanovic J, Tahirovic I, **Ibragic S**, Sofic E (2014) Recent statistics on illicit drugs trafficking in Federation of Bosnia and Herzegovina, B. H. *8th Conference on Medicinal and Aromatic Plants of Southeast European Countries*, Durrës, Albania, Proceedings, 300-3.
4. Huseinovic S, Duric K, **Ibragic S**, Salihovic M, Tahirovic I, Sofic E (2014) Biophysical and biochemical study of the mucilage extracted from okra fruits, *Hibiscus esculentus* L. (*Malvaceae*). *8th Conference on Medicinal and Aromatic Plants of Southeast European Countries*, Durrës, Albania, Proceedings, 308-10.
5. **Ibragic S**, Salihovic M, Sofic E (2014) Total phenolics in selected culinary and medicinal herbs. *8th Conference on Medicinal and Aromatic Plants of Southeast European Countries*, Durrës, Albania, Proceedings, 304-7.

Conference presentations (Book of abstracts / poster presentations)

6. 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.
7. **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
8. **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.
9. **Ibragic S** (2018) Antioxidative Capacity of *Ephedra nebrodensis* Herb Extracts. International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants, Tokyo, P08.
10. 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

11. 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
12. 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
13. 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
14. **Ibragić S (2019)** Oxidative Stress Related Diseases, Biomarkers and Antioxidants. 11th Days of BHAAAS in Bosnia and Herzegovina, Acta Medica Academica, 48 (1):11.
15. 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.
16. Ljubijankić N, Begić S, **Ibragić 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.
17. Alijagić A, **Ibragić 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.
18. **Ibragić S**, Alijagić A, van der Bergh JM, Ranogajec J, Vucetić 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.
19. Toromanović J, **Ibragić S**, Medunjanin D, Dizdār M, Buza N, Tresno A, Tahirović I (2022) Total Phenolics, Total Proteins and Antioxidant Activity in Royal Jelly from Bosnia and Herzegovina, ICCCEB&H, Sarajevo. Book of Abstracts, p 81.
20. Lagumdžija D, Herenda Pušina N, Kudić B, Pehlivanović Kelle B, Lepara O, Kapić D, Čosović E, Terko E, Bečić E, Hamzić-Mehmedbašić A, Kulo Ćesić 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.
21. **Ibragić S**, Čulum D, Dizdār M, Topcagić A, Pilic S, Besta-Gajević R, Nuic A, Vesnić A, Sljuka S, Musović A, Djug S (2024) Physico-chemical, histological, microbiological analyses and organic pollutants determination of water and fish samples from Miljacka river. ICCCEB&H, Sarajevo. Book of Abstracts, p 92.
22. Kudumović S, Sulejmanović J, Begić S, Šehović E, **Ibragić S (2024)** Lignocelulosic waste lemon peel enrolled as a biosorbent for the emerging contaminant (aspirin) removal. ICCCEB&H, Sarajevo. Book of Abstracts, p 98.
23. **Ibragić S**, Karalija E, Radonić I, Božur I, Rosenau T, Boehmdorfer S (2024) Variations in chemical composition of essential oils among different *Ephedra* species. 2nd EUSPMF, Sarajevo. Book of Abstracts, p37
24. **Ibragić S**, Petar T, Djukić A, Božur I, Murga M, Dizdār M, Topcagić A (2024) Phenolic composition and enzyme inhibitory activities of selected medicinal plant extracts. 2nd EUSPMF, Sarajevo. Book of Abstracts, p35.

25. **Ibragic S**, Murga M, Tuka P, Radoncic 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.
26. Piplas A, Selovic A, **Ibragic S**, Dahija S, Karalija E (2024) Transgenerational memory determines the tolerance to diverse types of stress. 2nd EUSPMF, p67

NETWORKS, MEMBERSHIPS AND OTHER ACTIVITIES

Memberships in academies, scientific and research institutions

- Society of Chemists and Technologists of Sarajevo Canton and Faculty of Science
- Association of Medicinal and Aromatic Plants of the Mediterranean (AMAPMED)
- CEEPUS coordinator (Education of Modern Analytical and Bioanalytical Methods)
- ERASMUS contact point at the UNSA-PMF, Department of Chemistry
- Website maintenance (<http://hemija.pmf.unsa.ba>)

CITATION INDICES

Scopus and Google Scholar

- SCOPUS: total citations 196, h-index 6 on 05/07/2024
- Google Scholar: total citations 375, h-index 9, i-index 9 on 05/07/2024

BOOK REVIEWS

Reviewer of the following publications:

1. Ismet Tahirović, Lejla Klepo, Jasmin Toromanović(2018). *Praktikum iz hemije makromolekula*, Prirodno- matematički fakultet Univerziteta u Sarajevu, ISBN 978-9958-592-99-7
2. 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.

TEACHING AND PEDAGOGICAL WORK

Undergraduate and postgraduate studies

Participation in teaching (lectures, laboratory and theoretical exercises) in several subjects of the graduate and postgraduate (master) studies at the Department of Chemistry of the Faculty of Science University in Sarajevo.

Graduate studies:

- Biochemistry I (laboratory classes)
- Biochemistry II (laboratory classes)
- Introduction to biochemistry (lectures)
- Bioanalytical chemistry (laboratory classes)
- Biochemistry of xenobiotics (lectures, theoretical exercises)

Postgraduate studies

- Analytical methods in forensic chemistry (lectures and laboratory classes)
- Immunochemistry (lectures, theoretical exercises)

At the Biology Department of the Faculty of Science, involvement in the postgraduate studies:

- Drug metabolism and toxicology (lectures)

Within the postgraduate studies of the interdisciplinary programme (Faculty of Science and Mathematics, Academy of Fine Arts, Faculty of Architecture):

- Laboratory II in the function of artifact analysis (lectures and laboratory classes)

Teaching several subjects at other faculties of the University of Sarajevo:

- Medical Biochemistry (Faculty of Dentistry)
- Biochemistry (Faculty of Health Studies)
- Biochemistry and food metabolism (Faculty of Health Studies)

Teaching at Sarajevo School of Science and Technology:

- Drug Metabolism

MENTORSHIP

Mentorship (postgraduate studies)

Mentor of 31 master theses, out of which 24 are completed:

1. Kasim Selimovic (2018) Determination of antioxidant activity in herb extracts of different *Ephedra* species

2. Nejra Džeko (2018) Determination of total phenol content and antioxidant activity in selected nutraceutical preparations
3. Emir Fehratovic(2019) Effect of artificial sweeteners on hematological parameters and oxidative stress in rats *Rattus norvegicus* (Wistar strain).
4. Šadija Ramcic (2019) Spectrophotometric determination of uranium bioaccumulation in the plant species *Ocimum basilicum*
5. Sara Hodzic (2020) Spectrophotometric determination of uranium bioaccumulation in the plant species *Salvia officinalis*
6. Nuđejma Osmic(2020) Quantification of phenolic compounds by HPLC-DAD method and determination of cytogenotoxicity of extracts of different *Ephedra* spp.
7. Melinda Samardzic(2020) Determination of total protein content and antioxidant activity in royal jelly and honey samples from B&H
8. Belma Jusic(2020) Examination of cytogenotoxicity of essential oil and extracts of different *Ephedra* spp. on culture of human lymphocytes
9. Azra Haskovic(2021) Conservation and restoration of an oriental manuscript from 1738.
10. Nejra Ljubuškić (2021) Two important manuscripts (Tarikatun Muhammediyya and collection of gazelles) through the conservation-restoration process
11. Elha Dedic(2021) Conservation and restoration of two important manuscripts from the 18th and 19th centuries
12. Hava Garbo (2021) Determination of the antioxidant activity of extracts of medicinal plants from Bosnia and Herzegovina using the DPPH method
13. Selma Durak (2021) Determination of the antioxidant activity of extracts of medicinal plants from Bosnia and Herzegovina using the FRAP method
14. Lamija Avdic (2021) Conservation and restoration of Qur'an manuscripts from the 18th century
15. Ajla Alijagic(2022) Conservation and restoration of a portable painting from the collection of the B&H Historical Museum
16. Amina Kaljanac (2022) Investigation of the potentially beneficial effect of dandelion extract on sodium benzoate-induced oxidative stress.
17. Dunja Savic (2022) Determination of malondialdehyde concentration and total protein content in homogenates of hepatic tissue of rats treated with fluoxetine.
18. Aisa Mesinovic (2022) Determination of specific catalase activity in brain and liver tissue homogenates of rats treated with fluoxetine.
19. Adna Fejzic (2022) Determination of malondialdehyde concentration and total protein content in brain tissue homogenates of rats treated with fluoxetine.
20. Emina Jamaković (2023) Investigation of the protective effect of curcumin and rosuvastatin on oxidative stress in rat myocardial tissue homogenates
21. MA Lamija Topoljak (2023) Preparation of highly durable membranes based on SiO₂ for the removal of paracetamol from the water environment
22. Emina Bečić (2023) The effect of curcumin and rosuvastatin on lipid peroxidation in lung and heart tissues in the chronic kidney disease model in rats
23. Tarik Čorbo (2024) Investigation of the protective effect of the selected natural and synthetic preparation on oxidative stress in an animal model of chronic kidney disease
24. Kevsera Murić (2024) Utilisation of an HPLC-DAD method in chemical characterisation of different *Ephedra* species

Among the mentioned 31 final theses, 7 are within the interdisciplinary study (Faculty of Science and Mathematics, Academy of Fine Arts, Faculty of Architecture), and three in cooperation with the Department of Biology, Faculty of Science and Mathematics, University of Sarajevo.

Mentorship (undergraduate studies)

Mentor of 9 final theses at the undergraduate studies (Department of Chemistry, Faculty of Science, University of Sarajevo)