

PERSONAL INFORMATION

Dr Safija Herenda

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Date of birth: 11. 5. 1983.

Place of birth: Zagreb, Hrvatska

Citizenship: Bosnian

<https://scholar.google.com/citations?user=1f3W4B8AAAAJ&hl=en&oi=ao>

EMPLOYMENT

Faculty of Science, University of Sarajevo

Department of Chemistry, Division of Physical Chemistry

📍 Zmaja od Bosne 35, 71 000 Sarajevo, Bosnia and Herzegovina

Cabinet: 321/III

Associate professor in the field of *Physical Chemistry*

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WORK EXPERIENCE

- OD 29.01.2020. Associate Professor in the field of Physical Chemistry at the Department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
- 01.09.2015.-29.01.2020. Docent for Physical Chemistry and Radiochemistry at the Department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
- 02.09.2011.-01.09.2015. Senior teaching assistant in the field of Physical Chemistry and Radiochemistry at the Department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
- 07.11.2007.-02.09.2011. Assistant for Physical Chemistry and Radiochemistry at the Department of Chemistry of the Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
- 18.01.2007.-15.10.2007. Graduate engineer of chemistry, analysis and production of chemicals, Firma Grizelj d.d. Sarajevo
- 2020.- Associate professor in the field of Physical Chemistry at the Department of Chemistry of the Faculty of Science, University of Sarajevo
- 2021- Associate professor in the field of Physical Chemistry, Faculty of Pharmacy, University of Sarajevo School of Science and Technology
- 2020.- Associate professor in the field of Physical Chemistry at the Faculty of Metallurgy and Technology, University of Zenica
- 2020.- Associate professor in the field of Physical Chemistry, Academy of Fine Arts, Department of Conservation and Restoration, University of Sarajevo

Teaching experience

2016. – 2017. Docent for Physical Chemistry, Faculty of Pharmacy, University of Sarajevo
2016. – 2018. Docent for Physical Chemistry, Academy of Fine Arts, Department of Conservation and Restoration, University of Sarajevo
2016. – 2020. Docent in the field of Physical Chemistry at the Faculty of Metallurgy and Technology, University of Zenica
2015. -2020. Docent in the field of Physical Chemistry and Radiochemistry, Department of Chemistry, Faculty of Science, University of Sarajevo
2012. – 2016. Senior teaching assistant for the field of Physical Chemistry, Faculty of Metallurgy and Materials, University of Zenica
2011. – 2015. Senior teaching assistant in the field of Physical Chemistry and Radiochemistry, Department of Chemistry, Faculty of Science, University of Sarajevo
- 2011.- Senior teaching assistant for the field of Physical Chemistry, Faculty of Pharmacy, University of Sarajevo
- 2007.-2011. Assistant in the field of Physical Chemistry and Radiochemistry, Department of Chemistry, Faculty of Science, University of Sarajevo
- 2019.- Head of the Division for Physical Chemistry, Department of Chemistry, Faculty of Science, University of Sarajevo
2022. Member of the Organizational and Scientific Committee of the 3rd Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation, Department of Chemistry, Faculty of Science, University of Sarajevo
2018. Member of the Organizational and Scientific Committee of the 3rd Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation, Department of Chemistry, Faculty of Science, University of Sarajevo
2017. Organizer of the Open Days of Chemistry event, Department of Chemistry, Faculty of Science, University of Sarajevo
2017. Member of the Scientific Board VII. of the international scientific and professional conference "WATER FOR ALL", University of Josip Juraj Strossmayer in Osijek
2016. Member of the Organizational and Scientific Committee of the Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation, Department of Chemistry, Faculty of Science, University of Sarajevo
- 2015.-2019 Head of the Division for Physical Chemistry, Department of Chemistry, Faculty of Science, University of Sarajevo
- 2015-2019. Member of the Board of Directors of the Association of Chemists and Technologists of Sarajevo Canton

Functions at the Faculty and University

2015. Organizer of the Open Days of Chemistry event, Department of Chemistry, Faculty of Science, University of Sarajevo

2014. Member of the Organizational and Scientific Committee of the Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation, Department of Chemistry, Faculty of Science, University of Sarajevo

2012-2018. Secretary of the Bulletin of Chemists and Technologists of Bosnia and Herzegovina, Department of Chemistry, Faculty of Science, University of Sarajevo

2022.- Member of the Board of Directors of the Society for Medical and Biological Engineering of Bosnia and Herzegovina

2022-2023. Member of the Scientific and Organizational Committee of the Conference for Medical and Biological Engineering of Bosnia and Herzegovina, Sarajevo

2022-2023 Member of the Organizational Committee of the Congress of Biochemists and Molecular Biologists in Bosnia and Herzegovina

Other

2021. Member of the Scientific and Organizational Committee of the Conference for Medical and Biological Engineering of Bosnia and Herzegovina, Sarajevo

2019. Member of the Scientific and Organizational Committee of the Conference for Medical and Biological Engineering of Bosnia and Herzegovina, Sarajevo

2018.-2022. President of the Assembly of the Society for Medical and Biological Engineering of Bosnia and Herzegovina

2017. Member of the Scientific and Organizational Committee of the Conference for Medical and Biological Engineering of Bosnia and Herzegovina, Sarajevo

2015.-2018. Deputy Executive Director of the Society for Medical and Biological Engineering of Bosnia and Herzegovina

2014.- Member of the Croatian Society for Radiation Protection, Zagreb

2014. Member of the Organizational Committee of the Conference for Medical and Biological Engineering of Bosnia and Herzegovina, Sarajevo

2011.- Evaluator for physical-chemical and radiochemical tests according to the BAS EN ISO/IEC 17025 standard, Institute for Accreditation of Bosnia and Herzegovina (BATA), Sarajevo

2021.- Evaluator for physical-chemical and radiochemical tests according to the BAS EN ISO/IEC 17020 standard, Institute for Accreditation of Bosnia and Herzegovina (BATA), Sarajevo

EDUCATION

2011 – 2015 **Doctor of Chemical Sciences, Faculty of Science, University of Sarajevo**

2007 – 2010 **Master of Chemical Sciences, Faculty of Science, Sarajevo**

2002 – 2006 **Graduated Chemical Engineer, Faculty of Science, Sarajevo**

1999 – 2002 High School "Hasan Kikić" Sanski Most

Elementary school "Mladen Stojanović" Prijedor

PERSONAL SKILLS

Native language Bosnian

Other language

English language

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Speech interaction	Speech production	
B2	B2	B1	B1	B1

Work on computer ▪ Microsoft Office™

Driving license ▪ B category

MORE INFORMATION

Awards and recognitions

november 2020.

december 2023.

Prize for Science of the University of Sarajevo for 2019

Prize for Science of the University of Sarajevo for 2022

Improvements

2014.

Training in radiochemistry: Innovative Multimedia Tools for Education and Training for the Nuclear Sector, Sarajevo

2011.

V Consulting: Higher Education Reform, University of Sarajevo

2011.

Seminar: "Agilent seminar - spectroscopy and LCMS technique", Sarajevo

2011.

Seminar: "Presentation of the activities of the Perkin Elmer company in BiH", Sarajevo

2010. *Training in radiochemistry measurements for practitioners, Jožef Stefan Institute, Ljubljana, Slovenia.*
2010. *IV Consulting: Higher Education Reform, University of Sarajevo*
2009. *III Consulting: Higher Education Reform, University of Sarajevo*
2008. *II Consulting: Higher Education Reform, University of Sarajevo*
2008. *Seminar: "Pedagogical education of teachers and associates", University of Sarajevo*

Participation in projects

- Project name *(2023-) Leader of the scientific research project "The influence of different additives on the activity of the selected enzyme". Project approved under the Competition for financing/co-financing of scientific-research and research-development projects in the Federation of Bosnia and Herzegovina for the year 2023, contract number 05-35-2538-1/23*
- Project name *(2023)- Participant of the scientific-research project "Effect of corticosteroids on hematological parameters and the activity of certain enzymes in in vitro and in vivo conditions", approved by public call for co-financing of scientific research/artistic research and research development projects and programs from the Sarajevo Canton Budget for 2023, contract no. 27-02-35-37082-32/23.*
- Project name *(2022-) Local coordinator and head of the CEEPUS project „Advanced Trends in Education and Research of Biochemistry, Biophysics and Biotechnology of Macromolecules“.*
- Project name *Participant of the international project BiH ESAP (2020-2022) of the Stockholm Institute for Environmental Protection (SEI). "Environmental Protection Strategy of BiH (BiH ESAP 2030+) - Chemical Safety and Noise Working Group". www.esap.ba*
- Project name *(2021) -Participant of the scientific research project: "Investigation of the inhibitory effect of boronic acid derivatives on enzyme activity for the purpose of discovering potential antitumor drugs" approved by public call for co-financing of scientific research/artistic research and research development projects and programs from the Sarajevo Canton Budget for 2021.*
- Project name *Horizon 2020: Type of action: Coordination and Support Topic: H2020-WIDESPREAD-2018-2020 Call: WIDESPREAD-3-2018-TWINNING, "Enhancement of Scientific Excellence and Innovation Potential in Electronic Instrumentation for Ionizing Radiation Environments", Nis, Serbia, <https://elicsir-project.eu/about.php>*
- Project name *Investigation of bioactive compounds from Dalmatian plants: their antioxidant character and influence on enzyme inhibition and health*
- Project type *International research project*
- Project leader *prof. dr. Mladen Miloš*
- Participation *Collaborator*
- Financier *Croatian Science Foundation*
- Duration *01.09.2015 - 31.08.2019.*
- Project name *Evaluation of the bioinfluence of the substance K2[B3O3F4OH] on psoriasis*

Project type *Scientific research project*
 Project leader *Institute for Genetic Engineering and Biotechnology*
 Participation *Collaborator*
 Financier *Institute for Genetic Engineering and Biotechnology*
 Duration *21.01.2016.-31.10.2016.*

Project name ***TAIEX Regional Workshop on Biomedical Engineering: Biosensors***
 Project type *International project*
 Project leader *Ministry of Civil Affairs of Bosnia and Herzegovina, Društvo za medicinski i biološki inženjering Bosne i Hercegovine*
 Participation *The host*
 Financier *European Commission*
 Duration *Decembar 2018.*

Project name ***Equipping the Laboratory for Physical Chemistry***
 Project type *Domestic*
 Project leader *prof. dr. Fehim Korać*
 Participation *Collaborator*
 Financier *Federal Ministry of Education and Science of Bosnia and Herzegovina*
 Duration *2016.*

Project name ***Analysis of aggressiveness of water***
 Project type *Domestic*
 Project leader *DTQ d.o.o. Sarajevo*
 Participation *The host*
 Financier *DTQ d.o.o. Sarajevo*
 Duration *2015.*

Project name ***Analysis of pH value and chloride on concrete samples***
 Project type *Domestic*
 Project leader *DTQ d.o.o. Sarajevo*
 Participation *The host*
 Financier *DTQ d.o.o. Sarajevo*
 Duration *2015.*

Project name ***Analysis of the physicochemical parameters of water and soil radioactivity with a GM counter at the site of Haldište, Goražde***
 Project type *Domestic*
 Project leader *Design&QC d.o.o. Sarajevo*
 Participation *The host*
 Financier *Design&QC d.o.o. Sarajevo*
 Duration *2015.*

Participation in regional conferences

- 2023. *The Second Congress of Molecular Biologists of Serbia, 6-8. October 2023, Beograd*
- 2023. *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina 14-16, September, Sarajevo (CMBEBIH 2023).*
- 2023. *Eleventh International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology RAD 2023, June 19-23, Herceg Novi, Montenegro*
- 2023. *14th Scientific/Research Symposium with International Participation „METALLIC AND NONMETALLIC MATERIALS“, B&H, Zenica, 27 th -28 th April 2023*

2023. *International Conference of Biochemists and Molecular Biologists in Bosnia and Herzegovina ABMBBIH Sarajevo, May 2023*
2023. *Fifth International Symposium on Corrosion and Protection of Materials and Environment and Protection against fire, 26.-29. september 2023, Bar, Crna Gora*
2022. *2nd International Conference on Advanced Production and Processing, October 20-21, Novi Sad*
2022. *Serbian Biochemical Society Eleventh Conference, "Amazing Biochemistry", September 22-23, Beograd*
2022. *4th International Congress of Chemists and Chemical Engineers of B&H, 30.6-2.7., Sarajevo*
2022. *10th International Conference on Radiation in Various Fields of Research, June 13-17, Herceg Novi, Montenegro*
2021. *VII International Congress "Engineering, Environment and Materials in Process Industry, EEM 2021, Jahorina*
2021. *The 45th Febs Congress 3-8 July 2021 Ljubljana Slovenia. Molecules of Life: Towards New Horizons*
2021. *Ninht International Conference on Radiation in Various Fields of Research, June 14-28, Herceg Novi, Montenegro*
2020. *Eighth International Conference on Radiation in Various Fields of Research, July 20-24, Herceg Novi, Montenegro*
2019. *9th Conference of the Serbian Biochemical Society, "Diversity in Biochemistry", November 14-16, Beograd*
2019. *4. Congress of pharmacists of Bosnia and Herzegovina with international participation, Sarajevo, October 10-13*
2019. *1st International Conference on Advanced Production and Processing, October 10-11, Novi Sad*
2019. *XXI YUCORR International Conference, Meeting point of the Science and practice in the fields of corrosion, materials and environmental protection, September 27.-20.2019. Tara-Serbia*
2019. *Seventh International Conference on Radiation in Various Fields of Research, June 10-14, Herceg Novi, Montenegro*
2019. *3rd Conference on Medical and Biological Engineering in Bosnia and Herzegovina, 16-18, May, Banja Luka*
2018. *3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 19-21, October, Sarajevo*
2018. *Fourth International Symposium on Corrosion and Protection of Materials and Environment and Protection against fire, 18.-21. september 2018, Bar, Crna Gora*
2018. *XX YUCORR International Conference, Meeting point of the Science and practice in the fields of corrosion, materials and environmental protection, May 21.-24.2018. Tara-Serbia*
2017. *The third regional roundtable: Refractory, process industry, nanotechnology and nanomedicine, 1-2 June, Belgrade, Serbia. Invited lecture on "Investigation of electrochemical inhibition of different active drug substances in immobilized enzyme".*
2017. *2nd Conference on Medical and Biological Engineering in Bosnia and Herzegovina, 16-18, March, Sarajevo*
2016. *2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 21-23, October, Sarajevo*

2015. *European Society for Isotope Research-ESIR Isotope Workshop XIII*, September 20-24, Zadar
2015. *Tenth Symposium of the Croatian Society for Radiation Protection with International Participation*, Šibenik
2015. *1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina*, 13-15, March, Sarajevo
2014. *Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, 10-12, October, Sarajevo

Participation in international conferences

2019. *17th International Conference on Chemistry and the Environment*, 16th and 20th of June, 2019, Greece
2019. *21st Annual European Pharma Congress* (May 20-22, 2019), Zurich, Switzerland

Memberships

- Society of Chemists and Technologists of Sarajevo Canton
- Society for Medical and Biological Engineering
- Association of biochemists and molecular biologists in Bosnia and Herzegovina
- Croatian Society for Radiation Protection

BIBLIOGRAPHY

Scientific papers in journals

1. **Safija Herenda**, Vanja Asanović*, Edhem Hasković, Dragan Radonjić and Jelena Šćepanović, *In vitro* biomedical corrosion and enzyme activity inhibition on modified Cu-Zn-Al bioalloy, *Corros Rev* 2023; aop (Web of Science)
2. Ajla Selimović, **Safija Herenda**, Edhem Hasković, Mirjana Đermanović, Emina Opanković EFFECT OF CARDIOLITE ON ENZYME ACTIVITY, *CMBEBIH* 2023. *IFMBE Proceedings* 2024, vol 2.pp 405-413, Springer, Cham. (Web of Science, Thomson Reuters, Scopus index, Google scholar)
3. Elma Hasković, Azra Dolićanin, Edhem Hasković, **Safija Herenda**, Orhan Lepara, The Effect of the Angiotensin-Converting Enzyme Inhibitor Perindopril on the Lipid Status of *Rattus Norvegicus* (Berkenhout 1769), *CMBEBIH* 2023. *IFMBE Proceedings* 2024, vol 1.pp 353-367, Springer, Cham. (Web of Science, Thomson Reuters, Scopus index, Google scholar)
4. Edhem Hasković, Harun Uzunalić, Snežana Unčanin, **Safija Herenda**, Denis Hasković, Amina Selimović, AN ANALYSIS OF LABORATORY PARAMETERS OF CHRONIC KIDNEY FAILURE IN ELDERLY PATIENTS, *Acta facultatis medicae Naissensis*, 2022: 39(4);294-309. (Web of Science)

5. **Herenda S.**, Hasković E., Hasković D., Hasković E., Dilber S. (2021) Effect of Diclofenac and Potassium Ions on Catalase Activity. *CMBEBIH 2021. IFMBE Proceedings*, vol 84.pp 449-455, Springer, Cham. https://doi.org/10.1007/978-3-030-73909-6_51 (*Web of Science, Thomson Reuters, Scopus index, Google scholar*)
6. Edhem Hasković, **Safija Herenda**, Zehra Halilović, Snežana Unčanin, Denis Hasković, Ena Deljković, Investigation of the Effect of Loratadine and Calcium Ions on Oxidoreductase Activity of Catalase Enzyme, *Current Enzyme Inhibition*, 2021, 17, 26-32. (*Scopus, Chemical Abstracts Service, EBSCO Host*)
7. **Safija Herenda**, Edhem Hasković, Denis Hasković, Ena Deljković, (2020) Review: Examining the electrochemical properties of beta blockers and ACE inhibitors using the method of cyclic voltammetry, *Material Protection* 61 (2) 128 – 132. (*International Scientific Indexing (ISI)*)
8. Šćepanović, J., **Herenda, S.**, Korać, F., Vuksanović, D., Radonjić, D., (2019) Protection of fuel filter with alkaline and acid zinc coatings, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*. 53, 1-8. (*Chemical Abstracts Service, EBSCO Host, Web of Science Core Collection - Emerging Sources Citation Index*)
9. **Safija Herenda**, Jelena Ostojić, Mladen Miloš, Edhem Hasković, Denis Hasković, Ena Deljković, The Effect of an ACE Inhibitor (Perindopril) on Peroxidase Activity In Vitro, *Int. J. Electrochem. Sci* 2019 (14), doi: 10.20964/2019.11.23 (*Web of Science*)
10. Edhem Hasković, Jasmina Marušić, Denis Hasković, Muhamed Fočak, **Safija Herenda**, Comparative Evaluation of Hyperfunction of Thyroid Gland in Women with other Thyroid Dysfunctions: Central Bosnia and Herzegovina Experience, *Acta facultatis medicae Naissensis* 2019; 36(2):141-149
11. **S Herenda**, A Kazlagić, E Hasković, D Hasković Effects of ^{99m}Tc on the Redox Properties of L-Thyroxine, *International Conference on Medical and Biological Engineering in Bosnia and Herzegovina* 16-18, May, Banja Luka (CMBEBIH 2019). *IFMBE Proceedings*, Springer, Singapore, vol 73. p (543-546) (*Web of Science, Thomson Reuters, Scopus index, Google scholar*)
12. J. Šćepanović, V. Asanović, D. Radonjić, D. Vuksanović, **S. Herenda**, F. Korać, F. Bikić, Mechanical properties and corrosion behaviour of Al-Si alloys for IC engine *J. Serb. Chem. Soc.* 84 (0) 1–14 (2019) (*Web of Science, SCIE*)
13. Jelena Scepanovic, Vanja Asanovic, **Safija Herenda**, Darko Vuksanovic, Dragan Radonjic, Fehim Korać, Microstructural Characteristics, Mechanical Properties, Fracture Analysis and Corrosion Behavior of Hypereutectic Al–13.5 Si Alloy, *International Journal of Metalcasting*, p. 1-15. (2019) (*Web of Science*)
14. **Safija Herenda**, Jelena Ostojić, Edhem Hasković, Denis Hasković, Mladen Miloš, Borivoj Galić, 2018. Electrochemical investigation of the influence of K₂[B₃O₃F₄OH] on the activity of immobilized superoxide dismutase. *Int. J. Electrochem. Sci.*, 13 (2018) 3279 – 3287, doi: 10.20964/2018.04.35. (*Web of Science*)

15. Jelena Ostojić, **Safija Herenda**, Zerina Bešić, Mladen Miloš, Borivoj Galic, Advantages of an Electrochemical Method Compared to the Spectrophotometric Kinetic Study of Peroxidase Inhibition by Boroxine Derivative, *Molecules* 2017, 22, 1120; doi:10.3390/molecules22071120 (Web of Science, Current Contents - Physical, Chemical & Earth Sciences (Clarivate Analytics, formerly Thomson Reuters' IP & Science branch)).
16. Jelena Ostojić, **Safija Herenda**, Semira Galijašević, Borivoj Galić, Mladen Milos, "Inhibition of Horseradish Peroxidase Activity by Boroxine Derivative, Dipotassium-trioxohydroxytetrafluorotriborate K₂[B₃O₃F₄OH]," *Journal of Chemistry*, vol. 2017, Article ID 8134350, 7 pages, 2017. doi:10.1155/2017/8134350. (Science Citation Index Expanded, Web of Science)
17. Bešić Z., **Herenda S.**, Stanković T., Ostojić J. (2017) Determination of kinetic effect of Metoprolol and Ranitidine on HRP- modified GC electrode biosensor. International Conference on Medical and Biological Engineering in Bosnia and Herzegovina 16-18, March, Sarajevo (CMBEBIH 2017). IFMBE Proceedings, Springer, Singapore, vol 62. p (410-414) (*Thomson Reuters, Scopus index, Google scholar*)
18. A.Korjenić, **S. Herenda**, The influence of Geological Field Structure on Water Quality in the Selected Source of the Ljubija Area, B&H, *J. Int. Environmental Application & Science*, Vol. 11(2): 180-185 (2016) (*Chemical Abstracts Service, EBSCO, CABI*)
19. **S. Islamović (Herenda)**, B.Galić, M.Miloš, A study of the inhibition of catalase by dipotassium trioxohydroxytetrafluorotriborate K₂[B₃O₃F₄OH], *J Enzyme Inhib Med Chem.* Early Online 1-5, 2014 Informa UK Ltd. DOI: 10.3109/14756366.2013.848203 (*Current Contents Connect®*)
20. J. Ostojić, S. Gojak-Salimović, F. Korać, S. Gutić, **S. Islamović (Herenda)**, Influence of Monomer Concentration on Capability of Voltammetric Polypyrrole Based Cation Sensor Using Modified Butler-Volmer Equation, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 40 (2013) p. 21-24 (Chemical Abstract)
21. F.Korać, S.Gutić, I. Zukić, J.Ostojić, **S.Herenda**, S. Gojak-Salimović, Anticorrosion performance of eco-friendly paint coatings, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 41 (2013) p. 37- 47 (Chemical Abstract)
22. **S.Islamović (Herenda)**, F. Korać, J. Ostojić, M. Kezo, S. Gutić, L. Koštroman, A. Halilović, Corrosion characteristics of raw and anodized aluminum, *Chemistry in Industry* 62 (7-8) (2013) p. 241–246 (Chemical Abstracts Service, SCOPUS)
23. F. Korać, S. Gutić, I. Semić, I. Kozica, S. Gojak, **S. Islamović (Herenda)**, J. Ostojić, Electrochemical characteristics of welded joints on stainless steel in maritime atmosphere, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 38 (2012) p. 19-24 (*Chemical Abstracts Service*)

24. **S. Islamović**, G. Radović-Rajević, E. Zovko, Determination of Radionuclide Activity of U-238 in Wheat using Gamma Spectrometric Method, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 39 (2012) p. 11-14 (*Chemical Abstracts Service*)
25. F. Korać, S. Čatić, M. Cacan, S. Gutić, **S. Islamović**, Pitting corrosion of an orthopedic implant in physiological solutions, *Material Protection*, 51 (2010) number 2, page 99 - 103. (SCIndeks - Serbian citation index)
26. E. Zovko, **S. Islamović**, Application of neutron activation in the hydrometallurgical process of extracting lead chloride from boulangerite, *Hemijska industrija, Belgrade*, 64 (1) 53-55 (2010). (*Journal Citation Report*)
27. M. Cacan, **S. Islamović**, B. Galić, S. Gojak, A. Okerić, Ž. Karlović, The influence of ultrasound on acetone iodination reactions, *Bulletin of chemists and technologists of the RS, Banja Luka*, 3 (2010) 39-41. (EBSCO)
28. E. Zovko, **S. Islamović**, Defining the neutron yield of dissolving activated concentrates, *Radovi Hrvatskog društva za znanost i umjetnost XI*, UDK 546.723:502.174.1 (497.6 Vareš), 2009. (CAB PUBLISHING)
29. G. Radović-Rajević, E. Zovko, **S. Islamović**, S. Marjanović, Qualitative analysis of drugs, *Bulletin of chemists and technologists of the RS, Banja Luka*, 2 (2009) 1-5. (EBSCO)
30. E. Zovko, **S. Islamović**, S. Marjanović, G. Radović-Rajević, Yield of neutron-activated ore splitting, *Bulletin of chemists and technologists of the RS, Banja Luka*, 2 (2009) 13-15. (EBSCO)
31. E. Zovko, G. Radović-Rajević, S. Marjanović, **S. Islamović**, Determination of low activities of drinking water, *Bulletin of chemists and technologists of the RS, Banja Luka*, 1 (2009) 143-149. (EBSCO)
32. E. Zovko, Z. Pujić, **S. Islamović**, S. Marjanović, Yield of neutron activation of activated ores and concentrates of the Vareš zone, *Bulletin of chemists and technologists of the RS, Banja Luka*, 1 (2009) 219-223. (EBSCO)
33. E. Zovko, S. Marjanović, **S. Islamović**, G. Radović-Rajević, The level of radioactivity in the vicinity of Sarajevo, *Bulletin of chemists and technologists of the RS, Banja Luka*, 1 (2009) 213-217. (EBSCO)
34. **S. Islamović**, R. Selimović, Threshold value of detection of uranium ammunition in different media, *Chemical Industry, Belgrade*, 62 (5) 293-296 (2008). *Journal Citation Report (JCR) Web of Science*

Scientific papers at conferences

1. Denis Hasković, **Safija Herenda**, Edhem Hasković, SPECTROPHOTOMETRIC DETERMINATION OF THE INFLUENCE OF SIOFOR ON AMYLASE ACTIVITY, The Second Congress of Molecular Biologists of Serbia, 6-8. October 2023, Beograd, Book of Abstracts, p.57
2. **Safija Herenda**, Almina Ramić, Edhem Hasković, Amperometric determination of the effect of terpenes on the activity of acetylcholinesterase, Fifth International Symposium on Corrosion and Protection of Materials and Environment and Protection against fire, 26.-29. september 2023, Bar, Crna Gora, Proceedings, (2023), p. 124-128.
3. **Safija Herenda**, Merima Begović, Edhem Hasković, Vanja Asanović, THE EFFECT OF CYSTEINE ON THE CORROSION CHARACTERISTICS OF BIOALLOY, 14th Scientific/Research Symposium with International Participation „METALLIC AND NONMETALLIC MATERIALS“, B&H, 27 th -28 th April 2023, Proceedings 14(2023), No.14 ISSN2566-4344, p.167-171.
4. **Herenda Safija**, Hasković Edhem, Hasković Elma, EFFECT OF BOROXINE ON OXIDOREDUCTASE ACTIVITY BY SPECTROPHOTOMETRIC METHOD, Genetics&Applications | International Conference of Biochemists and Molecular Biologists in Bosnia and Herzegovina ABMBBIH – Special Edition, Sarajevo, Book of abstracts, May 2023, p. 26.
5. Hasković Edhem, **Herenda Safija**, Lalović Ana, Krdžalić Nerina, Hasković Elma, Pilić Selma, Šljuka Senad, THE EFFECT OF SODIUM FLUORIDE ON CERTAIN HEMATOLOGICAL AND BIOCHEMICAL PARAMETERS IN RATS *Rattus norvegicus* (BERKENHOUT, 1769), Genetics&Applications | International Conference of Biochemists and Molecular Biologists in Bosnia and Herzegovina ABMBBIH – Special Edition, Sarajevo, Book of abstracts, May 2023, p. 27.
6. **Safija Herenda**, Edhem Hasković, Denis Hasković, Ena Hasković, Determination of the inhibitor effect of boroxin on acetilholinesterase activity, 10th International Conference on Radiation in Various Fields of Research, June 13-17, Herceg Novi, Montenegro, Book of Abstracts, (2022), p.7.
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Mentorships

- Mentor of over 30 final theses of the first cycle of studies of the Department of Chemistry, Department of Biology, Department of Biochemistry and Physiology and Faculty of Metallurgy and Materials, University of Zenica.
- Mentor over 15 final theses of the second cycle of studies of the Department of Chemistry
- Mentor of a doctoral dissertation of candidate Emina Opanković at the Department of Chemistry
- I participated in the commissions for the defense of final theses of the first cycle of studies (23) and final theses of the second cycle of studies (14), in the commissions for the selection of associates and teachers (2) and in the commission for the evaluation of the working version of the doctoral dissertation project (1).

Commission

- I participated in the commissions for the enrollment of candidates for the first cycle of studies (2), for the second cycle of judges (2) and for the third cycle of judges (2).
- In 2015, I was appointed to the Commission for Disciplinary Responsibility of Students of the Faculty of Science of the University of Sarajevo.
- 2016. I was appointed to the Commission for the evaluation of the results of the qualification exam for the enrollment of students in the first year of study in the academic year 2016/2017. year of the Medical Faculty of the University of Sarajevo
- 2016-2017 I participated in the Commission for academic recognition of foreign higher education qualifications of the II cycle (postgraduate) studies at the Department of Chemistry of the Faculty of Science, University of Sarajevo
- 2017, I participated in the Commission for Coordination of Activities for Amendments to the Federal Law on Health Care.
- 2020-present. I was appointed to the Commission for carrying out the procedure of equivalence of passed exams at the Department of Chemistry, Faculty of Science, University of Sarajevo
- 2021. I was appointed to the Commission for amendments and additions to the study on the justification of establishing a specialist study called "Quality Management System in Laboratories" at the Center for Interdisciplinary Studies of the University of Sarajevo