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Europass Curriculum Vitae

Personal information

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Date of birth 11.05.1983.

Gender Female

Work experience

Dates 09.2015.-
Occupation or position held Doctor of Chemical Sciences
Main activities and responsibilities Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Type of business or sector Scientific-Teaching (Physical chemistry and Radiochemistry)

Dates 09.2015.-
Occupation or position held Doctor of Chemical Sciences
Main activities and responsibilities Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer Faculty of Metallurgy and Materials, Travnička cesta 1, Zenica
Type of business or sector Scientific-Teaching (Physical chemistry)

Dates	09.2015.-
Occupation or position held	Doctor of Chemical Sciences
Main activities and responsibilities	Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Type of business or sector	Scientific-Teaching (Physical chemistry)
Dates	02.2011.-
Occupation or position held	Master of Chemical Sciences
Main activities and responsibilities	Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Type of business or sector	Scientific-Teaching (Physical chemistry and Radiochemistry)
Dates	02.2011.-
Occupation or position held	Master of Chemical Sciences
Main activities and responsibilities	Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Type of business or sector	Scientific-Teaching (Physical chemistry)
Dates	10.2012.-
Occupation or position held	Master of Chemical Sciences
Main activities and responsibilities	Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer	Faculty of Metallurgy and Materials, Travnička cesta 1, Zenica
Type of business or sector	Scientific-Teaching (Physical chemistry)
Dates	07.11.2007.- 02.09.2011.
Occupation or position held	Graduate chemistry engineer, assistant
Main activities and responsibilities	Working with students in the teaching, doing exercises and scientific-research work
Name and address of employer	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Type of business or sector	Scientific-Teaching (Physical chemistry and Radiochemistry)
Dates	18.01.2007.-15.10.2007.
Occupation or position held	Graduate chemistry engineer
Main activities and responsibilities	Production of of chemicals means and analysis
Name and address of employer	Grizelj.d.d., Nikole Šopa 46, Ilidža, Sarajevo
Type of business or sector	Production and analysis
Education and training	
Dates	2012-2015
Title of qualification awarded	Doctor of Chemical Sciences
Principal subjects/occupational skills Covered	Physical chemistry
Name and type of organisation providing education and training	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35
Dates	2007.-2010.
Title of qualification awarded	Master of Chemical Sciences
Principal subjects/occupational skills covered	Physical chemistry
Name and type of organisation providing education and training	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35

Dates	2002.-2006.				
Title of qualification awarded	Graduate chemistry engineer				
Principal subjects/occupational skills covered	Physical chemistry				
Name and type of organisation providing education and training	Faculty of Science, Department of Chemistry, Zmaja od Bosne 33-35				
Dates	2010				
Title of qualification awarded	Certificate of Attendance				
Principal subjects/occupational skills covered	Training in radiochemistry measurements for practitioners				
Name and type of organisation providing education and training	Jožef Stefan Institute, Ljubljana, Slovenia.				
Personal skills and competences					
Mother tongue(s)	Bosnian language				
Other language(s)	English language				
Self-assessment	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
English language	Independent user b2	Independent user b2	Independent user b1	Independent user b1	Independent user b1
	(*) <i>Common European Framework of Reference for Languages</i>				
Social skills and competences	Prone to teamwork, communicative				
Organisational skills and competences	<p>Head of the Division of Physical Chemistry, Department of Chemistry, Faculty of Science, University of Sarajevo</p> <p>Deputy Executive Director of the Society for Medical and Biological Engineering of Bosnia and Herzegovina</p> <p>Evaluator for physico-chemical and radiochemical tests according to standard BAS EN ISO / IEC 17025, Institute for Accreditation of BiH (BATA), Sarajevo</p> <p>Member of the Managing Board of the Society of Chemists and Technologists of Sarajevo Canton</p> <p>The management team of the event "Open Days chemistry"</p> <p>Secretary of the Editorial Board, "Journal of Chemists and Technologists of Bosnia and Herzegovina"</p>				
Computer skills and competences	Computer skills, knowledge of MS Office, Internet				
Driving licence	Category B				

Additional information	SCIENTIFIC PUBLICATIONS
	<ol style="list-style-type: none"> <li data-bbox="544 197 1522 300">1. 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, <i>Molecules</i> 2017, 22, 1120; doi:10.3390/molecules22071120 <li data-bbox="544 331 1522 456">2. Jelena Ostojić, Safija Herenda, Semira Galijašević, Borivoj Galic, Mladen Milos, "Inhibition of Horseradish Peroxidase Activity by Boroxine Derivative, Dipotassium-trioxohydroxytetrafluorotriborate K₂[B₃O₃F₄OH]," <i>Journal of Chemistry</i>, vol. 2017, Article ID 8134350, 7 pages, 2017. doi:10.1155/2017/8134350. <li data-bbox="544 510 1522 591">3. A. Korjenić, S. Herenda, The influence of Geological Field Structure on Water Quality in the Selected Source of the Ljubija Area, B&H, <i>J. Int. Environmental Application & Science</i>, Vol. 11(2): 180-185 (2016)

4. **S. Islamović (Herenda)**, B.Galić, M.Miloš, A study of the inhibition of catalase by dipotassium trioxohydroxytetrafluorotriborate $K_2[B_3O_3F_4OH]$, *J Enzyme Inhib Med Chem*. Early Online 1-5, 2014 Informa UK Ltd. DOI: 10.3109/14756366.2013.848203
5. 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
6. 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)
7. **S.Islamović (Herenda)**, F. Korać, J. Ostojić, M. Kezo, S. Gutić, L. Koštroman, A. Halilović, Corrosion characteristics of raw and anodized aluminum, *Kemija u Industriji* 62 (7-8) (2013) p. 241–246
8. 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
9. **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
10. F. Korać, S. Ćatić, M. Cacan, S. Gutić, S. **Islamović**, Investigation of Pitting Corrosion on orthopedic implant in physiological solutions, *Protection materials/ Material Protection*, 51 (2010) broj 2, strana 99 – 103
11. E. Zovko, **S. Islamović**, Application of neutron activation in hydrometallurgical process of lead chloride extraction from boulangerite, *Hemijska industrija*, Beograd, 64 (1) 53-55 (2010).
12. M. Cacan, **S. Islamović**, B. Galić, S. Gojak, A. Okerić, Ž. Karlović, Iodination of acetone: effect of ultrasound (35kHz), *Bulletin of the Chemists and Technologists RS*, Banja Luka, 3 (2010) 39-41.
13. 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.
14. G. Radović-Rajević, E Zovko, **S. Islamović**, S. Marjanović, Qualitative drugs analysis, *Bulletin of the Chemists and Technologists RS*, Banja Luka, 2 (2009) 1-5.
15. E. Zovko, **S. Islamović**, S. Marjanović, G. Radović-Rajević, Dissolving degree for neutron activation of realgar ore from Vares zone, *Bulletin of the Chemists and Technologists RS*, Banja Luka, 2 (2009) 13-15.
16. **S. Islamović**, R. Selimović, Detection of the ultimate content of uranium of depleted ammunition in different materials, *Chemical Industry*, Beograd, 62 (5) 293-296 (2008).
17. E. Zovko, G. Radović-Rajević, S. Marjanović, **S. Islamović**, Determination of low level activity in drinking water, *Bulletin of the Chemists and Technologists RS*, Banja Luka, 1 (2009) 143-149.
18. E. Zovko, Z. Pujić, **S.Islamović**, S. Marjanović, The yield neutron activation activated ores and concentrates zones Vares, *Bulletin of the Chemists and Technologists RS*, Banja Luka, 1 (2009) 219-223.
19. E. Zovko, S. Marjanović, **S. Islamović**, G. Radović-Rajević, The level of radioactivity in the vicinity of Sarajevo *Bulletin of the Chemists and Technologists RS*, Banja Luka, 1 (2009) 213-217.

1. 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)
2. Stanković, T., Herenda S., Bešić, Z., Korać, F., Ostojić, J., Investigation of the Effect of Ranitidine on the Peroxidase Activity on a Modified Glassy Carbon Electrode, **2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 21-23, October, Sarajevo, Book of Abstracts, (2016), p.132.
3. Bešić, Z., **Herenda S.**, Đokić, N., Ostojić J., Korać, F., Chronoamperometric Determination of the Michaelis-Menten Constants of Immobilized Peroxidase, **2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 21-23, October, Sarajevo, Book of Abstracts, (2016), p.131.
4. **Herenda S.**, Ostojić J., Bešić, Z., Đokić, N., Galić B., Miloš, M. Horseradish Peroxidase Inhibition by Dipotassium trioxohydroxytetrafluorotriborate, $K_2[B_3O_3F_4OH]$ Evaluation of an Electrochemical Method - Chronoamperometry, **2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 21-23, October, Sarajevo, Book of Abstracts, (2016), p.130.
5. Sakač, N., **Herenda S.**, Korać, F., Ostojić J., Bešić, Z., A Novel, Low-cost, Disposable Wooden Pencil Graphite Electrode for Peroxide Determination, **2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 21-23, October, Sarajevo, Book of Abstracts, (2016), p.46.
6. Ostojić J., **Herenda S.**, Galić B., Miloš, M. Inhibitory Effect of Phenylboronic Acid on Horseradish Peroxidase Activity, **2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 21-23, October, Sarajevo, Book of Abstracts, (2016), p.129.
7. **S. Herenda**, F. Korać, S. Gutić, E. Kalem, Uticaj vremena eksploatacije rastvora za pasivaciju na kvalitet pasiviranih cinčanih prevlaka, Third International Symposium on Corrosion and Protection of Materials and Environment, 12.-15. oktobar 2016, Bar, Crna Gora, Proceedings, (2016), p. 271-276.
8. Lejla Sprečo, Fehim Korać, Jelena Ostojić, **Safija Herenda**. HIBISCUS EXTRACT (Hibiscus syriacus L.) AS A CORROSION INHIBITOR SELECTED TARGETS IN SULFURIC ACID, XVIII YUCORR, International Conference, Meeting Point of the Science and Practice in the Fields of Corrosion, Materials and Environmental Protection, April 12.-15.2016. Tara-Serbia, C E R T I F I C A T E, (2016) No: 10/16
9. Zerina Bešić, Nedžla Đokić, **Safija Herenda**, Jelena Ostojić, Sanjin Gutić, Lejla Klepo, IMMOBILIZATION OF PEROXIDASE ON GC ELECTRODE, XI susret mladih kemijskih inženjera, Zagreb, Knjiga sažetaka, (2016) p. 109
10. **Herenda S.**, Radovic-Rajevic G., Zovko E., Gammaspectrometric determination of radionuclides in soil, ESIR Isotope Workshop XIII, 20-24, September, Zadar, Book of Abstracts, (2015), p.26
11. **Herenda S.**, Ostojić J., Klepo L., Galić B., Determination influence of inhibiting platinum acid on the activity of catalase, **1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina**, 13-15, March, Sarajevo, Book of Abstracts, (2015), p.83
12. **Herenda S.**, Ostojić J., Gojak-Salimović S., Galić B., Investigation of Cisplatin on the Activity of Catalase, **Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 10-12, October, Sarajevo, Book of Abstracts, (2014), p.138.
13. Veletovac I., Ostojić J., Korać F., Gutić S., **Herenda S.**, Vidic D., Inhibition of Iron Corrosion with Lavender Extracts as Eco-acceptable Inhibitors. **Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 10-12, October, Sarajevo, Book of Abstracts, (2014), p.141.
14. Gojak-Salimović S., Ostojić J., **Herenda S.**, Galić B., The Effect of H_2PtCl_6 on the Belousov-Zhabotinsky Reaction, **Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina**, 10-12, October, Sarajevo, Book of Abstracts, (2014), p.145.

15. **Safija Herenda**, Emira Zovko, Gordana Radovic-Rajevic, Gammaspectrometric determination U-238 in root species, *Second International Conference on Radiation and Dosimetry in Various Fields of Research*, May 27-30, Niš, Serbia, Book of Abstracts, (2014), p.403.
16. Namir Halilović, **Safija Herenda**, Sabina Gojak-Salimović, Evaluation of antioxidant capacity of some fruits juices using briggs-rauscher reaction , *X Meeting of Young Chemical Engineers*, Zagreb, Book of Abstracts, (2014) p.150.
17. J. Ostojić, **S. Islamović (Herenda)**, L.Klepo, F. Korać, A. Čopra-Janićijević, D. Krešić , Determination of ascorbic acid in pharmaceutical samples by cyclic voltammetry, *Fourth Regional, South East Europe, Symposium on Electrochemistry*, May 26-30, Ljubljana, Slovenia, Book of Abstract, (2013) p. 73.
18. J. Ostojić, **S. Islamović (Herenda)**, F. Korać, S.Gutić, N. Džananović, M. Begović, Corrosion behaviour of aluminium in the presence of an aqueous extract of *Hibiscus syracus* L. *Malvaceae*, *IX Meeting of Young Chemical Engineers*, Zagreb, Book of Abstracts (2012) p. 155.
19. **S.Islamović (Herenda)**, F. Korać, J. Ostojić , M. Kezo, S.Gutić, L. Koštroman, A. Halilović, Corrosion characteristics of aluminium in conditions of exploitation, *IX Meeting of Young Chemical Engineers*, Zagreb, Book of Abstracts (2012) p. 136.
20. T. Juričić, F. Korać, S. Gutić, **S. Islamović**, J. Ostojić, S. Gojak, Modification of corrosion behaviour of iron by spin-coated polyaniline, *Second International Symposium on Corrosion and Protection of Materials and Environment*, 17.-20. oktobar 2012, Bar, Crna Gora, Proceedings, (2012), p. 163-167.
21. E.Zovko, **S.Islamović**, Detection ammunition with depleted uranium in soil and protection of rural areas, *22nd International Scientific-Expert Conference of Agriculture and Food Industry*, 28.9.-1.10.2011. Sarajevo, Book of Abstract, (2011) p.129
22. Kozica, F. Korać , M. Cacan, S. Gutić , S. Gojak, **S. Islamović (Herenda)**, J. Ostojić, Corrosion of welded joints on stainless steel in public indoor swimming pool buildings, *XIII YUCORR International Conference, Exchanging experiences in the fields of corrosion, materials and environmental protection*, April 05.-08.2011. Tara-Serbia, Book of Abstracts, (2011) p. 112-113.
23. A. Muslimović, M. Cacan, F. Korać, S. Gojak, J. Ostojić, S. Gutić, **S. Islamović (Herenda)**, Chemical and electrochemical synthesis of polyaniline in sulfuric acid, *XIII YUCORR International Conference, Exchanging experiences in the fields of corrosion, materials and environmental protection*, April 05.-08.2011. Tara-Serbia, Book of Abstracts, (2011) p. 95-96
24. G.Radović-Rajević, E. Zovko, **S. Islamović**, S. Marjanović, Explosive and their detection, *IX Counseling Chemists and Technologists RS*, 12-13. Nov. Banja Luka, Book of Abstracts, (2010) p. 66
25. **S. Islamović**, E. Zovko, Dž. Mustafa, Gamma spectrometric determination of the activity of depleted uranium in physiological solution, *IX Counseling Chemists and Technologists RS*, 12-13. Nov. Banja Luka, Book of Abstracts, (2010) p.18.
26. **S. Islamović**, E. Zovko, G. Radović-Rajević, S. Marjanović, F. Čubara, Determination of the specific activities of isotopes K-40 for potassium chloride, *IX Counseling Chemists and Technologists RS*, 12-13. Nov. Banja Luka, Book of Abstracts, (2010) p.17.
27. **S. Islamović**, M. Cacan, S. Gutić, F. Korać, Electrochemical charactreization of metal disinfectant, *XII YUCORR Scientific/Research Symposium, International Conference, Cooperation of researches of different branches in the fields of corrosion, materials protection and environmental protection*, May 18.-21. 2010. Tara-Serbia, Book of Abstracts, (2010) p. 186.
28. S. Gutić, M. Cacan, **S. Islamović**, F. Korać, Electrochemical synthesis and anticorrosion performances of polyaniline coatings-effect of eletrolyte composition, *XII YUCORR Scientific/Research Symposium, International Conference, Cooperation of researches of different branches in the fields of corrosion, materials protection and environmental protection*, May 18.-21. 2010. Tara-Serbia, Book of Abstracts, (2010) p. 184.

29. M. Cacan, S. Gutić, S. Gojak, F. Lutvić, **S. Islamović**, The effect of polyaniline coating on corrosion characteristics of steel with high chromium contents, *8th Scientific/Research Symposium with International Participation, Metallic and nonmetallic materials*, April 27th-28th 2010., Zenica, Book of Abstracts, (2010) p. 46.
30. M. Cacan, **S. Islamović**, S. Gojak, S. Gutić, Corrosion of surgical instruments in antiseptic funds, *8th Scientific/Research Symposium with International Participation, Metallic and nonmetallic materials*, April 27th-28th 2010., Zenica, Book of Abstracts, (2010) p. 45.
31. S. Gutić, **S. Islamović**, S. Gojak, M. Cacan, Electrochemical properties and anticorrosive performances of polyaniline thin films on steel with high chromium content, *VIII Meeting of Young Chemical Engineers*, Zagreb, Book of Abstracts, (2010) p. 124.
32. M. Cacan, **S. Islamović**, S. Gojak, S. Gutić, Corrosion of medical instruments in physiological solution, *VIII Meeting of Young Chemical Engineers*, Zagreb, Book of Abstracts, (2010) p. 121.
33. J. Ostojić, M. Cacan, F. Korać, S. Gojak, **S. Islamović (Herenda)**, S. Gutić, The influence of chloride ions concentration on the corrosion behaviour of galvanized water pipes, *First International Symposium on Corrosion and Protection of Materials and Environment*, 23.-26. novembar 2010, Bar, Crna Gora, Proceedings, (2010), p. 173-176.
34. F. Korać, M. Cacan, S. Gojak, **S. Islamović (Herenda)**, S. Gutić, J. Ostojić, Corrosion behaviour of stainless steel orthopaedic implants and alloying metals in simulated physiological conditions, *First International Symposium on Corrosion and Protection of Materials and Environment*, 23-26. novembar 2010., Bar, Crna Gora, Proceedings (2010) p. 167-172.

PUBLICATIONS

1. F. Korać, S. Gutić, S. Gojak, **S. Islamović**, J. Ostojić, Practical physical chemistry (first part), Faculty of Science, Sarajevo, 2013 Sarajevo, ISBN 978-9958-592-41-6, COBISS.BH-ID 20563718
2. E. Zovko, **S. Islamović**, Basics Radiochemistry with practicum, Faculty of Science, Sarajevo, 2009, ISBN 978-9958-592-08-9, COBISS.BH-ID 17673222