

**Academic  
Curriculum vitae**



**Personal information**

Name and surname	SAMILA HRVANOVIC (ŠEHIC)
Address	Lukavačkih brigada 10 Lukavac, BiH
Telefon	GSM: 062/806 754
Fax	
E-mail/Web	<a href="mailto:samila.hrvanovic@untz.ba">samila.hrvanovic@untz.ba</a> ; <a href="mailto:shrvanovic@gmail.com">shrvanovic@gmail.com</a>
Nationality	BiH
Date of birth	10 Jun 1972
Gender	Female
<b>Current position/position/title</b>	University of Tuzla- Faculty of Mining, Geology and Civil Engineering /senior teaching assistant / Doctor of Natural Science in the Field Geology

**Work experience**

Position/occupation/title	Dates	April 2025-present
Basic Responsibilities and Duties		Associate/Senior teaching Assistant/ Doctor of Natural Science in the Field Geology
Employer name		Organization and holding of exercises at Bachelor's level: General Geology I, General Geology II, Historical Geology I, Historical Geology II, Structural Geology, Geological mapping, Paleontology I and Paleontology II
Type of business activity of the employer		Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Position/occupation/title	Dates	October 2024-April 2025
Basic Responsibilities and Duties		Higher Education and Scientific Research
Employer name		External Collaborator/Assistant/Doctor of Natural science in the field of geology (petrology)
Type of business activity of the employer		Holding of exercises at Bachelor's level: General Geology II, Historical Geology II, Paleontology I and Paleontology II
Position/occupation/title	Dates	January 2021-October 2024
Employer name		Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer		Higher Education and Scientific Research

Position/occupation/title	External Collaborator/Assistant/Doctor of Natural Science in the Field of Geology (petrology)
Basic Responsibilities and Duties	Holding of exercises at Bachelor's level: General Mineralogy, Optical properties of ore minerals, General geology and petrology, General geology, mineralogy and petrology, Optical properties of petrogenous minerals, Petrology of sedimentary rocks, Geochemistry
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher Education and Scientific Research
Dates	April 2017-November 2023
Position/occupation/title	Engineer in the Geological and Hydrogeological Research Sector/ Graduated Engineer of Geology
Basic Responsibilities and Duties	Development of design-technical documentation in the field of geology and hydrogeology
Employer name	Private company Papago Bistrik
Type of business activity of the employer	Company for drilling wells, exploratory wells and geothermal probes of all depths
Dates	October 2006-October 2007
Position/occupation/title	External Collaborator/Assistant/ Graduated Engineer of Geology
Basic Responsibilities and Duties	Assistant on courses at Bachelor's level: General Geology and Petrology with Mineralogy
Employer name	Natural Science Faculty, University of Sarajevo
Type of business activity of the employer	Higher Education and Scientific Research
Dates	September 2003-August 2004
Position/occupation/title	Intern/Graduate Engineer of Geology, 19/11/2004 Passed exam Chartered engineer under B&H law
Basic Responsibilities and Duties	Development of design-technical documentation
Employer name	Open Pit Lignite Coal Mine "Šikulje" of Coal Mine "Kreka" Tuzla
Type of business activity of the employer	Mining and quarrying
<b>Education and training</b>	
Dates	1980-1987
Acquired qualification	Primary education
Field of science and profession, acquired title and skills	Primary education
Name and type of organisation	Elementary School „Braća Lazići“ Janja
Dates	1988-1991
Acquired qualification	Secundary education SSS
Field of science and profession, acquired title and skills	Secundary education
Name and type of organisation	Gymnasium „Filip Višnjić“ Bijeljina

Dates	October 1994-february 2000
Acquired qualification	VII degree of VSS (Crtificatr No. 432, date 21 <sup>st</sup> December 2000.)
Field of science and proffesion, acquired title and skills	Design of drainage wells of dewatering groundwater, maining
Name and type of organisation	Graduate Engineer of Geology
Name and type of organisation	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Dates	March 2007-June 2010
Acquired qualification	VIII Deegre-Master's Deegre (certificate No. 8/268-II, date 11 <sup>th</sup> December 2010.)
Field of science and proffesion, acquired title and skills	Geology, metamorphic rocks, metamorphys and microstructure in minerals, Master of Technical Science in the Field Geology
Name and type of organisation	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Dates	October 2012-August 2016
Acquired qualification	Doctor of Natural Science in the Field Geology (petrology) (Certificate UK*6784, 31 <sup>st</sup> August 2016).
Field of science and proffesion, acquired title and skills	Geology (field of study petrology)
Name and type of organisation	Comenius University in Bratislava, Faculty of Natural Sciences
Dates	March 2014
Field of science and proffesion, acquired title and skills	Geology, microtectonics, reconstruction of events during the deformation of petrogenic minerals, geothermobarometry
Name and type of organisation	University of Zagreb, Faculty of Science, Department Geology
Dates	March 2006-May 2006
Field of science and proffesion, acquired title and skills	General Geology, Applied Mineralogy, Phase diagram in petrology, Metamorphic rocks,
Name and type of organisation	University of Salzburg, Department of Geography and Geology
Dates	October 2001-do April 2002
Field of science and proffesion, acquired title and skills	Microstructures of rocks, EMPA and Ar/Ar Methods in Geology
Name and type of organisation	University of Salzburg, Institute of geology and paleontology
Dates	May 2000-June 2000
Field of science and proffesion, acquired title and skills	Analysis the rocks samples (polarization microscope, X-ray and EMP methods, fieldtrip Pyrenees)
Name and type of organisation	University of Barcelona, Department of Crystallography and Mineralogy

## Scientific Papers in the Field of formal education

Title of the work	PhD thesis title „Petrology of meta-ultra mafic rocks from the Austroalpine Sieggraben Unit in the Eastern Alps“
The institution at which the work was made	Comenius University in Bratislava, Faculty of Natural Sciences (Diploma No.: UK*6784, August 31 2016).
Year and place	2016, Bratislava
Title of the work	Master's thesis title "Metamorphic rocks from Vranica mountain".
The institution at which the work was made	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Year and place	2010, Tuzla
Title of the work	Diploma thesis title "Design of drainage wells of dewatering groundwater level in the cave "Glavni sloj" of the mine Mramor",
The institution at which the work was made	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Year and place	2000, Tuzla
Publication title	Petrography and mineral chemistry of metaultramafics in the Austroalpine Sieggraben structural complex at Sieggraben and Schwarzenbach, Austria.
Authors	<b>Samila Hrvanović</b> , Marian Putiš, Peter Bačík
Publisher, year and place	Bulletin mineralogicko-petrologického odděleního muzea v Praze 22, 2014,
Publication title	Meta-harzburgites and meta-pyroxenites of the Austroalpine Sieggraben structural complex between Steinbach and Gschorrholtz, Austria: An example of subducted mantle.
Authors	<b>Samila Hrvanović</b> , Marian Putiš, Peter Bačík
Publisher, year and place	Acta Geologica Slovaca 7, Bratislava
Publication title	Garnet-Bearing exsolution, symplectite and corona textures in clinopyroxenite dikes from a harzburgite associated with eclogites (Austroalpine Sieggraben complex); P-T estimates
Authors	Marian Putiš, Fridrih Koller, Dražen Balen, Peter Bačík, Juraj Moravčík, Ondrej Nemec, <b>Samila Hrvanović</b> .
Publisher, year and place	Mineralogicko-petrologická konferencia Petros 2015 - Bratislava, p. 36-39.
Publication title/Poster	Geodiversity Vranica Mountain in Bosnia
Authors	Sijarić G., Melgarejo J.C., Barudanović S., <b>Šehić S.</b> , Omerović Dž., Babajić E.
Publisher, year and place	Third International Balkan Botanical Congress, 2003
Publication title/Poster	Geodiversity and biodiversity of Vranica Mountain, Bosnia,
Authors	Sijarić G., Melgarejo J.C., Barudanović S., <b>Šehić S.</b> , 2004
Publisher, year and place	32 <sup>nd</sup> IGC Florence
Publication title/Poster	Geoheritage of the Protected Area of Bentbaša in Sarajevo Canton (Bosnia and Herzegovina)
	Univerzitet u Tuzli

Authors	<b>Hrvanović S.</b> , Sijarić G., Muratović E.
Publisher, year and place	XI <sup>th</sup> International ProGEO Symposium, 2023, Loughborough, UK, ABSTARACT VOLUME1.0, 47-48
Publication title/Poster	Geodiversity of Area Ilinčica in the Tuzla Basin, Bosnia and Herzegovina
Authors	<b>Hrvanović, S.</b> , Đulović, I.
Publication title/Poster	XII <sup>th</sup> International ProGEO Symposium, GeoEcoMar, 2025, Bucharest, Romania

### **Acknowledgement and awards**

Title	Awards
Institution	University of Tuzla, Foundation for sholarship and awards students of the University Tuzla
Purpose	For the achieved success in the fourth year of undergraduate studies
Title	Fellowship/awards PhD study
Institution	Comenius University in Bratislava
Purpose	PhD study 2011-2015

Name of the association / association	<b>Geological Society of Bosnia and Herzegovina</b> <a href="https://udruzenjegeologabih.ba/">https://udruzenjegeologabih.ba/</a>
Brief description of the association / association	The association brings together experts and scientists who are engaged in research in the fields of geology, geomechanics and geotechnics
Position in the Association	Member since 2022
Name of the association / association	<b>ProGEO International Association for the Conservation of the Geological Heritage</b> <a href="https://www.progeo.ngo/">https://www.progeo.ngo/</a>
Brief description of the association / association	The association brings together worldwide experts and scientists who are engaged in research in the fields of geology, biology, geography. Promote the conservation and the protecting of the rich heritage of landscape, rock, fossil and mineral sites.
Position in the Association	Member since 2017
	Collaborator national representative PROGeo group Bosnia and Herzegovina (2019-2024)
	National representative ProGEO group Bosnia and Herzegovina since 2024

### **Participation in the teaching process**

#### For the current academic year

*(Note: You can enter only classes in which you are the teacher in charge, and you can also enter classes in which you are an associate teacher)*

#### In previous academic years

*(Note: You can enter only classes in which you are the teacher, and you*

I cycle: General geology I, General geology II, Structural geology, Historical geology I, Historical geology II, Geological mapping, Exploration of mineral deposits, Paleontology I, Paleontology II.

I cycle: General geology and petrology , General geology and petrology, General Mineralogy , Petrology of sedimentary rocks, Optical properties of ore minerals, Optical properties of petrogenous minerals, Geochemistry, General geology II, Paleontology I, Paleontology II.

can also enter classes in which you are an associate teacher. Also, you can only enter for one previous year)

<b>Scientific Research Projects and Studies</b>	<p>Čajić E., <b>Hrvanović S.</b>, 2017: Project detailed hydrogeological exploration at the location „Pod Bratilo“ near Kladanj, municipality Kladanj „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2017: Study on the classification, categorization and calculation groundwater reserves of the source „Planinsko Vrelo“ Devetak, municipality Lukavac „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2017: Study on the classification, categorization and calculation groundwater reserves of the source „Pod Bratilo“ Starić, municipality Kladanj, „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2017: Study on the classification, categorization and calculation groundwater reserves of exploration and exploitation well GOB-1, location Luke-Gornja Orahovica, „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2018: Study on the classification, categorization and calculation groundwater reserves of exploration-exploitation well EMB-1, location Poljice, municipality Lukavac, „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2019: Study on the classification, categorization and calculation groundwater reserves of exploration-exploitation well IEBM-1, location Blažuj, municipality Ilijadža, „Papago“ d.o.o. Lukavac</p> <p>Čajić E., <b>Hrvanović S.</b>, 2021: Study on the classification, categorization and calculation thermal groundwater reserves of water from well BZ-1, location Sibovac, općina Gradačac, „Papago“ d.o.o. Lukavac</p> <p><b>Hrvanović S.</b>, Čajić E., 2023: Study on the classification, categorization and calculation groundwater reserves of water from well EB-2, location Mala Brijesnica, „Papago“ d.o.o. Lukavac</p>
<b>Participation in International projects</b>	<p>IGCP 737-Smart Geology for Better Community 2021-2022</p> <p>Ministry of Education, Science, Research and Sport of Slovak Republic and Slovak Research and development Agency (APVV-0081-10)</p> <p>Slovak Scientific Grant Agency (VEGA-1/0255/11)</p> <p>Tempus project No: CD-JEP16145-2001</p>

#### **Personal Skills and competences**

Native language **Bosnian**

Other languages

	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
	Listening	Reading	Spoken interaction	Spoken production	

<b>English</b>	Good	Good	Good	Good	Good
<b>German</b>	Basic	Basic	Basic	Basic	Basic

### **Scientific, professional and social competencies**

Competencies for conducting scientific research and teaching in higher education

Doctor of natural Science in the field geology  
Publications, experience in working with students

Competencies for participation in scientific research projects

November 2004 Passed exam Chartered engineer under B&H law.

Publications,  
Programs and studies, report on the conducted hydro-geological exploration

Scientific research interest (occupation) and current training

Structural geology, Paleontology, Geological mapping, Microtectonics

Planned training

Paleontology, Stratigraphy, Historical geology, Geological mapping

Technical skills and competencies

Handling of laboratory microscopes (in mineralogy-petrology and paleontology), ability to process a large amount of EMPA data, present it in the form of a diagram and interpret it.

Computer skills and competencies

Microsoft application (Windows, Word, Advanced Excel, Power Point)  
Technical drawing programs (Auto CAD basic and advanced "D graphic technique, Corel)

I, the undersigned, hereby certifay that, to the best of my knowledge and on my behaf, the above information is correct in the description of me, my cualifications and my experience in my previous work.

Tuzla, 26 of January 2025

Senior teaching assistant, Samila Hrvanović, PhD