

## Academic Curriculum vitae



### Personal information

First and last name	<b>Alisa Babajic</b>		
Addresses	Krecanska 17, 75 000 Tuzla		
Phones	035 / 320 577	Mobile:	062 / 100 562
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Email/Web	<a href="mailto:alisa.babajic@untz.ba">alisa.babajic@untz.ba</a> ;		
Citizenship	Bosnia and Herzegovina		
Date of birth	May 22, 1978.		
Gender	Female		

<b>Current workplace/position/title</b>	University of Tuzla-RGGF /Assistant Professor / Doctor of Technical Sciences
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### Work experience

Dates	2023 - today.
Position / occupation / title	Teacher/Assistant Professor/Doctor of Technical Sciences in the field of geology
Basic responsibilities and duties	Organization and holding of lectures on the first and second cycle of studies, holding of exams and consultations, curriculum innovation, mentoring in the preparation of Master's theses, participation in commissions for final theses, commissions for the selection of teachers and associates, scientific research work.
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	2013 - 2023.
Position / occupation / title	Associate/Senior Assistant/Master of Technical Sciences in the field of Geology
Basic responsibilities and duties	Organization and implementation of exercises in the first and second cycles of studies, holding of colloquiums and consultations, curriculum innovations, scientific research work.
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	2008 - 2012.
Position / occupation / title	Associate/Assistant/Bachelor of Geology
Basic responsibilities and duties	Organization and implementation of exercises in the first cycle of studies, holding of colloquiums and consultations, curriculum innovations, scientific research work .
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher education and scientific research

### Education and training

Dates	1984-1992.
Qualification acquired	Primary education
Field of science and profession, acquired titles and skills	Primary education
Name and type of organization	Miričina Elementary School, Miričina
Dates	1992-1996.
Qualification acquired	Secondary education SSS
Field of science and profession, acquired titles and skills	Secondary education
Name and type of organization	Electrical Technical School Lukavac
Dates	Faculty of Mining, Geology and Civil Engineering, Tuzla (2000-2006).
Qualification acquired	VII degree of higher education
Field of science and profession, acquired titles and skills	Graduated Geological Engineer
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Dates	2010.
Qualification acquired	VIII degree-Master's study
Field of science and profession, acquired titles and skills	Master of Technical Sciences in Geology
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Dates	2017
Qualification acquired	Doctor of Technical Sciences in the field of geology
Field of science and profession, acquired titles and skills	Petrology of igneous and metamorphic rocks
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering

### Scientific papers within formal education

Title of work	Doctoral dissertation "Petrological and geochemical characteristics of mafic extrusive rocks of Konjuh and Majevisa"
The institution where the paper was prepared	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Year and place	2017, Tuzla
Title of work	Master's thesis "Correlation of structural - textural and geochemical characteristics of diabases in the Banovići area"
The institution where the paper was prepared	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Year and place	2010, Tuzla
Title of work	Diploma thesis " Petrographic and geochemical characteristics of Tertiary volcanic rocks around Maglaj"
The institution where the paper was prepared	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Year and place	2006, Tuzla

### Selected publications and presentations

Publication name	Mineralogical - petrographic characteristics of dacites and andesites in the surroundings of Maglaj.
Authors	Salkić, Z., Salihović, S., Babajić, E. and Babajić, A.
Publisher, year and place	Proceedings of RGGF , number XXX , pages 25-38, Tuzla . ISSN: 1512-7044., 2006.
Publication name	Chemical composition of olivines from mafic rocks of the Krivaja-Konjuh ophiolite complex in the function of petrological considerations.
Authors	Babajić, E., Lugović, B., Salkić, Z. and Babajić, A.
Publisher, year and place	Collection of abstracts, pages 56 - 57., IV Conference of Geologists of Bosnia and Herzegovina with International Participation, Ilidža, Sarajevo. ABSTRACT, 2011.
Publication name	Methodology for creating a "quality" map at the Ribnica diabase quarry near Banovići.
Authors	Babajić, A., Junuzović, R., Ferhatbegović, Dž., Šuvalić, A.,
Publisher, year and place	Proceedings, pages 71 - 80, V Regional Congress of Students of Geotechnical Faculties, Tuzla, BiH. 2011.
Publication name	Mineralogical-petrographic and geochemical characteristics of the Tertiary dacites of Kolići, near Nemila.
Authors	Salkić, Z., Lugović, B., Salihović, S., Babajić, E. and Babajić, A.
Publisher, year and place	Proceedings, pages 45-57., IV Conference of Geologists of Bosnia and Herzegovina with International Participation, Ilidža, Sarajevo, 2011.
Publication name	Content of rare earth elements in mafic rocks around Banovići.
Authors	Babajić, A., Salkić, Z. and Babajić, E.
Publisher, year and place	Proceedings, pages 58 - 65., IV Conference of Geologists of Bosnia and Herzegovina with International Participation, Ilidža, Sarajevo, 2011.

Publication name	The influence of structural composition on the strength of coarse-grained gabbro.
Authors	Mandžić, K., Babajić, E., Mandžić, E. and Babajić, A.
Publisher, year and place	Proceedings, II Symposium with International Participation "Mining 2011", Status and Perspectives in Mining and Sustainable Development, pages 651 – 657. Vrnjačka Banja, Serbia, 2011.
Publication name	Influence of chemical composition on resistance parameters of diabases at the Ribnica quarry.
Authors	Babajić, E., Mandžić, K., Babajić, A. and Mandžić, E.
Publisher, year and place	Proceedings, II Symposium with International Participation "Mining 2011", Status and Perspectives in Mining and Sustainable Development, pages 651 – 657. Vrnjačka Banja, Serbia, 2011.
Publication name	Possible application and techno-economic effects of construction artificial slope traffic direction in hilly and mountainous areas.
Authors	Ibrahimović, A., Babajić, E. and Babajić, A.
Publisher, year and place	Proceedings of the scientific conference INDIS 2012, pages 106-115. UDC: 624.93. Planning, design, construction and renovation of construction. University of Novi Sad, Faculty of Technical Sciences, Department of Civil Engineering and Geodesy. 2012.
Publication name	Qualitative characteristics of bauxite „Oštrelj“ near Bosanska Krupa.
Authors	Babajić, E., Salkić, Z., Babajić, A., Stević, M. and Jovović, M.
Publisher, year and place	Archive for Technical Sciences 2014, 10(1), 1-8. UDC:551.2:624.153.7(497.6), DOI:10.7251/afts.2014.0610.001B. COBISS.RS-ID:4224280, Technical Institute Bijeljina, 2013.
Publication name	Exploitation impact of the "Ribnica" diabase quarry on the environment.
Authors	Babajić, A., Bruljić, A., Mašić, Z., Junuzović, R.
Publisher, year and place	Proceedings, pages 135 - 134, VI Regional Congress of Students of Geotechnical Faculties, Niš, Serbia. 2013.
Publication name	Petrographic characteristics and rocks nomenclature of the Ribnica quarry near Banovići .
Authors	Babajić, A., Salkić, Z. and Babajić, E.
Publisher, year and place	Proceedings, pages 147 - 159., V Conference of Geologists of Bosnia and Herzegovina with International Participation. Pale, Sarajevo, 2013.
Publication name	Geochemical characterization of mafic rocks of the Krivaja-Konjuh ophiolite complex.
Authors	Babajić, E., Lugović, B <sup>†</sup> ., Salkić, Z. and Babajić, A.
Publisher, year and place	Proceedings, pages 160 - 176. V Conference of Geologists of Bosnia and Herzegovina with International Participation. Pale, Sarajevo, 2013.
Publication name	Mineralogical-petrographic characteristics of Tertiary volcanic rocks in the vicinity of Srebrenica, northeastern Bosnia.
Authors	Salkić, Z., Lugović, B <sup>†</sup> ., Babajić, E., and Babajić, A.
Publisher, year and place	Proceedings, pages 194 - 212., V Conference of Geologists of Bosnia and Herzegovina with International Participation. Pale, Sarajevo, 2013.
Publication name	Structural and textural types of mafic rocks within Krivaja-Konjuh ophiolite complex,
Authors	Babajić, A., Ademi, E., Klopić, E., Mešanović, A., Zukan, S.

Publisher, year and place	Proceedings of Scientific Papers, pages 155-167, VIII Regional congress of students from geotechnical faculties, Ohrid, Macedonia. in 2014
Publication name	Petrogenesis of the Maglaj volcanics, Central Bosnia.
Authors	Salkić, Z., Babajić, E., Babajić, A., Pobrić, V. & Bešić, A.
Publisher, year and place	Archives for Technical Sciences, 11(1), 7-15. UDC: 553.98:622.276 (497.6 Maglaj), DOI: 10.7251/afts.2014.0611.007S, COBISS.RS-ID 4571160., 2014.
Publication name	Microphysiography of mafic intrusive rocks of the Krivaja-Konjuh ophiolite complex in the function of petrological and geotectonic considerations.
Authors	Babajić, E. & Babajić, A.
Publisher, year and place	Proceedings of the 1st Congress of Geologists in Bosnia and Herzegovina. Tuzla, 2015.
Publication name	The terrain characteristics of railway along the entity border of Federation BiH – Maglaj section km 103+500 – Maglaj.
Authors	Đurić, N., Babajić, A., Đurić, D., Srkalović, D., Perišić, M.
Publisher, year and place	Archives for Technical Sciences, 14 (1), 7-17. UDC:656.2:621.83 (497.6 Maglaj), DOI: 10.7251/afts.2016.0814.007D, COBISS.RS-ID 5844504. 2016.
Publication name	Lead (Pb) concentrations in soil of Tuzla's urban area.
Authors	Stjepić Srkalović, Ž., Srkalović, D., Babajić, E., Gutić S. & Babajić, A.
Publisher, year and place	Archives for Technical Sciences 2017, 17(1), 27-32. UDC:550.4:552.542(497.6Tuzla). DOI: 10.7251/afts.2017.0917.027S, COBISS.RS-ID 6817816, 2017.
Publication name	Electron probe micro-analyzer (EPMA) application in petrology based on the example of Majevisa mafic extrusive rocks.
Authors	Akmađžić, H., Ustalić, S., Babajić A.,
Publisher, year and place	X Regional Congress of Students of Geotechnological Sciences. Tuzla. 2017
Publication name	Chromium and nickel in soil in the wider Maglaj area – concentration and genesis.
Authors	Babajić, E., Babajić, A., Stjepić Srkalović, Ž., Srkalović, D., Ustalić, S. & Akmađžić H.
Publisher, year and place	Archives for Technical Sciences, 17(1), 13-20. UDC:661.665.2.046.446:662.7(497.6Maglaj), DOI: 10.7251/afts.2017.0917.013B, COBISS.RS-ID 6817304, 2017.
Publication name	Petrographic characteristics of mafic extrusive rocks along the southwestern part of Majevisa.
Authors	Babajić, A., Babajić, E., Srećković-Batočanin, D. & Milovanović, D.
Publisher, year and place	Archives for Technical Sciences, 16(1), 1 - 8. UDC: 622.33:550.8.01(497.6), DOI: 10.7251/afts.2017.0916.001B, COBISS.RS-ID 6436632, 2017.
Publication name	Genesis and geochemical distribution of barium in the soil of the Maglaj area.
Authors	Ustalić, S., Babajić, E., Babajić, A., Stjepić-Srkalović, Ž., Srkalović, D.
Publisher, year and place	Second Congress of Geologists of Bosnia and Herzegovina with international participation, pages 119 – 136. Laktaši, 2019.
Publication name	Qualitative and quantitative characteristics of quartz sand from the Kužići – Tuzla deposit.
Authors	Babajić E., Babajić A., Sarac, K.
Publisher, year and place	Mining and geological gazette. Mostar, December 2021. Number 25, pages 144-

	153., 2021.
Publication name	Gold content in the river Željeznica – Bakovići (Fojnica).
Authors	Babajić E., Miličević, M., Babajić A., Stjepić Srkalović Ž., Srkalović D., Ustalić S.
Publisher, year and place	Acta Geographica Bosniae et Herzegovinae, vol. 8, no. 16., pages 17-28, 2021
Publication name	Petrographic nomenclature of the Konjuh mountain mafite extrusive rocks.
Authors	Babajić, A., Babajić, E.
Publisher, year and place	Third Congress of Geologists of Bosnia and Herzegovina with International Participation, pages 119-136. Neum, 2023.
Publication name	Geochemical distribution of potentially toxic elements in the river Spreča field of the Lukavac municipality, pages 149 – 159.
Authors	Babajić, E., Babajić, A., Gegić, S.
Publisher, year and place	Third Congress of Geologists of Bosnia and Herzegovina with international participation. Neum, 2023.
Publication name	Microphysiography of spilites and associated rocks in the surroundings of Vareš.
Authors	Babajić, E., Babajić, A., Imamović, A., Tanjić, M., Čatić, S.
Publisher, year and place	Proceedings of RGGF, ISSN 2303-5145 (Print), ISSN 2303-5145 (Online), 2025.

### Recognitions and awards

Name	Winner of the Silver Plaques of the University of Tuzla (academic year 2023/04; 2004/05 and 2005/06)
Institution	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Reason	For achieved success in education (average grade above 9)

### Membership in professional associations

Name of the association	<b>Association of Geologists in Bosnia and Herzegovina</b>
Brief description of the association	The association brings together experts and scientists engaged in research in the field of geology.
Position in the association	Member

### Participation in the teaching process

For the current academic year <i>(Note: You can only enter subjects where you are the responsible teacher, and you can also enter subjects where you are an associate teacher).</i>	Lectures on subjects: I cycle: General petrography, Methods of testing mineral raw materials, Optics of petrogenic minerals, Petrology of igneous and metamorphic rocks, Sedimentology. II cycle: Petrology and geochemistry of rocks of Bosnia and Herzegovina.
In previous academic years <i>(Note: You can only enter subjects where you are the responsible teacher, and you can also enter subjects where you are an associate teacher. Also, you can only enter for one previous year).</i>	I cycle: Basic petrography, Methods of testing mineral raw materials, Petrology of igneous and metamorphic rocks, Sedimentology. II cycle: Petrology and geochemistry of rocks of the Bosnia and Herzegovina.

## Mentoring

### Doctoral dissertation

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### Master's Thesis/Final Master's Thesis Mentoring

1. "Soil contamination with potentially toxic elements in the Spreča field of the municipalities of Gračanica and Doboj Istok", Aldisa Pepić, B.Sc. in Geology.

Work status: work in progress.

## Scientific research projects and studies

### Domestic scientific research projects

#### 1. Tectonomagmatic characteristics of the Krivaja-Konjuh and surrounding northwestern ophiolite complexes.

Project leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2008/2009. Project funded by the Federal Ministry of Education, Science and Culture.

Project leader: Dr. sc. Zehra Salkić, ass. prof.

Collaborators on the project: Lugović, B., Babajić, E., Šegvić, B. and Babajić, A.

#### 2. Petrochemical characterization of the igneous mafic extrusive rocks of Konjuh and Majevica.

Project holder: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2015, Decision No. 01/2-2995/15, dated 05/26/2015. year.

Project funded by the Office for Scientific Research of the University of Tuzla.

Project collaborator.

#### 3. Concentration of heavy metals and total carbonates in the soil of the wider Maglaj area.

Project leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2015, Decision number: 01/2-7396-VI/15, dated 11.12.2015.

Project funded by the Office for Scientific Research of the University of Tuzla.

Project collaborator.

#### 4. Concentration of heavy metals in the soil of the city of Tuzla.

Project Leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2015, Contract No.: 05/2-393868/15, 27.11.2015. /FMON/ and 01-7227/15., dated 03.12.2015. /UNTZ/.

Project funded by the Federal Ministry of Education and Science.

Project collaborator.

#### 5. Geochemical prospecting of gold in the alluvium of the river Željeznica - Bakovići (Fojnica).

Project Leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2020, Contract number: 0/1144-4/20, 04.03.2020 /FMON/ and 01-1777-1.2/20, dated 20.05.2020 /UNTZ/.

Project funded by the Federal Ministry of Education and Science.

Project collaborator.

**6. Petrological-geochemical characterization of the upper part of the ancient oceanic crust – the Vareš area.**

Project Leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023, Contract number: 01/3840-2/32, 07.07.2023. /FMON/ and 01-3840-/23., dated 02.10.2023. /UNTZ/.

Project funded by the Federal Ministry of Education and Science.

Project collaborator.

**International projects**

**1. "RIS-RESTORE Evaluation of Red Mud Tailings in the ESEE region.**

Project holder: Construction Institute of Ljubjan (Slovenia).

Project funded by EIT RAW Materials ([www.eitrawmaterials.eu](http://www.eitrawmaterials.eu)).

Project collaborator.

Decision color: 06/8-188.2.1/20, dated 09/19/2020. year.

**2. Dubrovnik International ESEE Mining School – Implementing innovations (DIMESEE-2).**

Project holder: Faculty of Mining, Geology and Mining, University of Zagreb (Croatia).

Project funded by EIT RAW Materials ([www.eitrawmaterials.eu](http://www.eitrawmaterials.eu)).

Project collaborator.

Color decision: 06/8-20.1/21, from 25.01.2021. year.

**Economic projects and studies**

**1. Elaborate about achieved research degree of diabase on locality Begov Han – Municipality of Žepče with a proposal for further research** Authors: E. Babajić and A. Babajić., RGGF, 2009.

**2. Basic project of detailed geological research of sedimentary carbonate rocks - limestones in the Dračevo locality - Čapljina municipality.** Authors: E. Babajić, K. Mandžić, A. Babajić, and E. Mandžić RGGF in Tuzla, 2012.

**3. Project of detailed geological research of limestone at the site "Trebačko brdo" - Trepče, near Tešanj.**

Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023.

**4. Economic feasibility study of granting a concession for the exploration and exploitation of limestone at the Trebačko brdo site, Tešanj municipality.**

Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023.

**5. Study of mineral raw materials usable in the cement industry.**

Authors: Babajić, E., Babajić, A., Hodžić, M., Halilčević, E. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023.

**6. Report on geological prospection of the terrain in the area of cadastral municipality Zagora near Grahovo (municipality of Nikšić, Montenegro) with the aim of identifying potential locations of architectural, construction and technical construction stone.**

Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2024.

**7. Feasibility study of granting a concession for the exploration and**



**exploitation of limestone (architectural and technical construction stone) at the location "Rupice" - Grude Municipality and "Lončaci" - City of Široki Brijeg.**

Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2025.

8. **Feasibility study of granting a concession for the exploration and exploitation of limestone (technical construction stone) at the location "Hrdar Kosa - Stupari, Kladanj municipality.**

Authors: Babajić, E., Mešković, A., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2025.

9. **Project of detailed geological research of limestone at the site "Hrdar Kosa" – Stupari, Kladanj municipality.**

Authors: Babajić, E., Mešković, A., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2025.

#### **Published books -**

Book title -  
Author -  
Publisher, Year and place of publication of the book -

#### **Personal skills and competencies**

Native language

**Bosnian**

Other languages

Understanding		Speech		Writing
Listening	Reading	Voice interaction	Speech	

<b>Italian language</b>			good		good		good		good
<b>English language</b>			excellent		excellent		excellent		excellent

#### **Scientific, professional and social competences**

Competencies for conducting scientific research and teaching in higher education

Participation in domestic and international scientific research projects and experience in the teaching process in higher education.

Competencies for participation in scientific research projects

Participation in applied research and participation in domestic and international scientific research projects.

Scientific and research interest (occupation) and current training

Natural geological disciplines.

Planned training

Modern methods of minerals and rocks research.

Organizational skills and competencies

Organizational skills and competence in all aspects related to the exploration and testing of minerals, rocks and mineral deposits.

Technical skills and competencies

Preparation of preparations for optical research; work with binocular, polarizing and ore microscopes to identify rocks and minerals; ability to collect, present and interpret mineralogical-petrographic and geochemical data .

Computer skills and

Knowledge of the Office software package (Word, Excel, Power Point), as well as

competencies	specialized software: <i>lgpet</i> (graphic interpretation of petrological-geochemical data), <i>norm4</i> (normative mineral composition of rocks), <i>LAS V3.7.0</i> (optical research in polarized and reflected light), and knowledge of A-CAD and Corel.
Artistic skills and competencies	-

I, the undersigned, hereby confirm that to the best of my knowledge and on my behalf, the information provided above is correct in describing me, my qualifications and my experience in my previous work.

Tuzla, 05.06.2025. year

Ph.D. Alisa Babajić, docent