

**Academic
Curriculum vitae**



Personal information

First and last name **Elvir Babajic**
Addresses Krecanska 17, 75 000 Tuzla
Phones 035 / 320 577 Mobile: 061 / 195 035
Fax -
Email/Web elvir.babajic@untz.ba; ebabajic@gmail.com

Citizenship Bosnia and Herzegovina

Date of birth January 2, 1973.

Gender Male

Current workplace/position/title University of Tuzla-FMGCG /Associate Professor / Doctor of Technical Sciences

Work experience

Dates October 2019 to present
Position / occupation / title Teacher/Associate Professor/Doctor of Technical Sciences in the field of Geology
Basic responsibilities and duties Organization and delivery of lectures in the first, second and third cycle of studies, holding exams and consultations, innovating the curriculum, mentoring in the preparation of master's and doctoral theses, participation in committees for final theses, committees 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 September 2010 to October 2019
Position / occupation / title Teacher/Assistant Professor/Doctor of Technical Sciences in the field of geology
Basic responsibilities and duties Organization and delivery of lectures in the first, second and third cycle of studies, holding exams and consultations, innovating the curriculum, mentoring in the preparation of master's and doctoral theses, participation in committees for final theses, committees for the selection of teachers and associates, scientific research work.

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| 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 | February 2004 to September 2010 |
| Position / occupation / title | Associate/Senior Assistant/Master of Technical Sciences in the field of Geology |
| Basic responsibilities and duties | Organization and delivery of lectures in the first and second cycle of studies, holding exams and consultations, innovating the curriculum, 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 | March 2002 to February 2004 . |
| Position / occupation / title | Associate/Assistant/Bachelor of Geology |
| Basic responsibilities and duties | Organization and delivery of lectures in the first cycle of studies, holding exams and consultations, innovating the curriculum, scientific and 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

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| Dates | 1979-1987 |
| Qualification acquired | Primary education |
| Field of science and profession, acquired titles and skills | Primary education |
| Name and type of organization | Elementary school "Salih Žilić" Miričina |
| Dates | 1987-1991 |
| Qualification acquired | Secondary education SSS |
| Field of science and profession, acquired titles and skills | Secondary education |
| Name and type of organization | Mining and Technical School Lukavac |
| Dates | Faculty of Mining, Geology and Civil Engineering, Tuzla (1995-2000) |
| 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 | 2004 |
| Qualification acquired | VIII degree-Master's study (diploma number: 8/165-II, dated December 11, 2004) |
| Field of science and | Master of Technical Sciences in Geology |

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| profession, acquired titles and skills | |
| Name and type of organization | University of Tuzla, Faculty of Mining, Geology and Civil Engineering |
| Dates | 2009 |
| Qualification acquired | Doctor of Technical Sciences in the field of geology (diploma number: 424, dated December 18, 2009). |
| 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

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| Title of work | Doctoral dissertation "Petrological-geochemical and geotectonic characteristics of mafic igneous rocks of the Krivaja-Konjuh ophiolite complex" |
| The institution where the paper was prepared | University of Tuzla, Faculty of Mining, Geology and Civil Engineering |
| Year and place | 2009, Tuzla |
| Title of work | Master's thesis "Vertical zoning according to the degree of decomposition of the rocks of the Tuzla region" |
| The institution where the paper was prepared | University of Tuzla, Faculty of Mining, Geology and Civil Engineering |
| Year and place | 2004, Tuzla |
| Title of work | Graduation thesis "Analysis of deviation of exploration wells at the Tetima rock salt deposit near Tuzla" |
| The institution where the paper was prepared | University of Tuzla, Faculty of Mining, Geology and Civil Engineering |
| Year and place | 2000, Tuzla |

Selected publications and presentations

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| Publication name | Petrographic and petrochemical characteristics of rocks on the Brana-Modrac profile. |
| Authors | Babajić, E., Mičević, S. and Salkić, Z. |
| Publisher, year and place | Proceedings of the RGGF, number XXVIII, p. 103-110, Tuzla. ISSN: 1512-7044., 2005. |
| Publication name | Decomposition of diabases at the quarry in Ribnica. |
| Authors | Babajić, E., Salihović, S. and Salkić, Z. |
| Publisher, year and place | Collection of papers RGGF number XXVIII, pp. 55-60, Tuzla. ISSN: 1512-7044., 2005. |
| Publication name | Rare rocks, minerals and mineralizations in the wider area of Vareš in Bosnia and Herzegovina. |
| Authors | Đorđević, D., Kurtanović, R. and Babajić, E. |
| Publisher, year and place | Proceedings of the RGGF, number XXIX/I, p. 49-54, Tuzla. I SSN: 1512-7044., 2005. |

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| Publication name | Mineralogical - petrographic characteristics dacite and andesite of Maglaj surrounding . |
| Authors | Salkić, Z., Salihović, S., Babajić, E. and Babajić, A. |
| Publisher, year and place | Collection works RGGF , number XXX , p . 25-38, Tuzla . ISSN: 1512-7044., 2006. |
| Publication name | Geochemical geotectonic discrimination tertiary volcanic rock of Maglaj surrounding. |
| Authors | Babajić, E., Salkić, Z., Lugović, B. and Salihović, S. |
| Publisher, year and place | Collection works RGGF , number XXX , p . 39-50, Tuzla . ISSN: 1512-7044., 2006. |
| Publication name | Geochemical characteristics Oligocene volcanic rock of Maglaj surrounding. |
| Authors | Salkić, Z., Lugović, B., and Babajić, E. |
| Publisher, year and place | Proceedings of the RGGF, number XXXI, p. 13-22, Tuzla. ISSN: 1512-7044., 2007. |
| Publication name | Designing geological "in-situ" data in Corel Draw. |
| Authors | Babajić, E., Music, A., Tokić, A., Hodžić, H., Čobo, S. and Ahmetspahić, S. |
| Publisher, year and place | I Regional Congress of Geotechnical Faculty Students GEOREX, Tuzla, BiH, 2007. |
| Publication name | Usage chemical index in categorization stage decomposition rock. |
| Authors | Mičević, S. and Babajić , E. |
| Publisher, year and place | Collection works RGGF , number 34 , p . 31-38. ISSN: 1512-7044., 2007. |
| Publication name | Influence of chemical composition on the uniaxial compressive strength of gabbro. |
| Authors | Mandžić, K., Husejnagić, E., Babajić, E. and Mandžić, E. |
| Publisher, year and place | Proceedings of the 3rd Conference of Geologists of Bosnia and Herzegovina with International Participation, pp. 273-284, Neum., 2008. |
| Publication name | Diabase-dolerite rocks around Ribnica - geochemical affinity and classification. |
| Authors | Babajić, E., Salkić, Z., Salihović, S. and Kovačević, S. |
| Publisher, year and place | Proceedings of the 3rd Conference of Geologists of Bosnia and Herzegovina with International Participation, pp. 477-489, Neum, 2008. |
| Publication name | Chemical classification and nomenclature of Tertiary volcanic rocks of northeastern Bosnia. |
| Authors | Salkić, Z., Lugović, B. and Babajić, E. |
| Publisher, year and place | Proceedings of the 3rd Conference of Geologists of Bosnia and Herzegovina with International Participation, pp. 503-511, Neum, 2008. |
| Publication name | 3D reservoir modeling in Surfer. |
| Authors | Babajić, E., Aliefendić, E., Mandra, M. and Fejzić, A. |
| Publisher, year and place | III Regional Congress of Geotechnological Faculty Students GEOREX, Budva, Montenegro, 2009. |
| Publication name | Engineering-geological and geotechnical aspects of the Sava terrace shown in the example of the Tuzla-Orašje highway project. |
| Authors | Zekan, S., Jašarević, I., Babajić, E. and Alić, N. |
| Publisher, year and place | CETRA 2010, First International Conference on Road and Rail Infrastructure. Opatija, Croatia, 2010. |

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| Publication name | Determination of carbonates by calcimetry and silicate analysis in the "Kongora" deposit (Tomislavgrad). |
| Authors | Mičević, S., Babajić, E. and Jeleč, N. |
| Publisher, year and place | Proceedings of the RGGF, special edition, p. 83-95, Tuzla, 2010. |
| Publication name | Chemical composition of olivine 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, pp. 56 - 57., IV Conference of Geologists of Bosnia and Herzegovina with International participation, Ilidža, Sarajevo. ABSTRACT, 2011. |
| Publication name | Mineralogical-petrographic and geochemical characteristics of the tertiary dacites of Kolić, near Nemila. |
| Authors | Salkić, Z., Lugović, B., Salihović, S., Babajić, E. and Babajić, A. |
| Publisher, year and place | Proceedings, pp. 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, pp. 58 - 65., IV Conference of Geologists of Bosnia and Herzegovina with International participation, Ilidža, Sarajevo, 2011. |
| Publication name | Geology and potential of limestone at the Straža site near Srebrenik. |
| Authors | Babajić, E., Alagić, A., Delić, A., and Ferhatbegović, DŽ. (2010): |
| Publisher, year and place | IV Regional Congress of Geotechnical Faculty Students GEOREX, Vrnjačka Banja, Serbia, 2010. |
| Publication name | Graphical interpretation of petrological-geochemical data in "IgPet". |
| Authors | Babajić, E., Avdić, A., Šuvalić, A., and Junuzović, R. |
| Publisher, year and place | IV Regional Congress of Geotechnical Faculty Students GEOREX, Vrnjačka Banja, Serbia, 2010. |
| Publication name | Methods for exploration of the coal layer location and the underground exploitation mine Banovici. |
| Authors | Žunić, N., Klepić, M., Isaković, H. and Babajić, E. |
| Publisher, year and place | Proceedings on Technology of Underground Exploitation of Mineral Raw Materials, ISBN 978-9989-2921-4-9, pp. 84-93., Probištip, Macedonia, 2010. |
| Publication name | Exploitation losses and degree of recovery in coal mine "Kreka" in Tuzla. |
| Authors | Isaković, H., Babajić, E. and Šišić, R. |
| Publisher, year and place | Proceedings of the Conference on Technology of Underground Exploitation of Mineral Raw Materials, ISBN 978-9989-2921-4-9, pp. 94-1000, Probištip, Macedonia, 2010. |
| Publication name | "Bomb" for determining the explosive characteristics of dust. |
| Authors | Mičević, S., Babajić, E., Kurtić, M., Sarajlić, E., and Kozlo, E. |
| Publisher, year and place | 5th Regional Congress of Geotechnology Faculty Students GEOREX, Tuzla, Bosnia and Herzegovina, 2011. |
| Publication name | Mafic extrusives of Papratnica near Žepče as a technical building stone. |
| Authors | Babajić, E., Mandžić, K. and Salihović, S. |
| Publisher, year and place | Proceedings, pp. 66 - 73., IV Conference of Geologists of Bosnia and Herzegovina with International participation. Ilidža, Sarajevo, 2011. |

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| Publication name | The influence of structural materials 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, pp. 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, pp. 651 – 657. Vrnjačka Banja, Serbia, 2011. |
| Publication name | Analyzes of the river sediments on the mouth of the Spreča river into the Modrac accumulation with the goal of defining its using value. |
| Authors | Mičević, S., Marković, J., Sadadinović, J., Babajić, E. and Babajić, A. |
| Publisher, year and place | 2 nd International Symposium on Environmental and Material Flow Management, "EMFM 2012" Zenica, Bosnia and Herzegovina, 07.06 - 09.06. in 2012 |
| Publication name | Engineering geological and hydrogeological conditions in the rock massif of the "Kukovi" rock massif. |
| Authors | Mandžić, E., Čerimagić, Đ., Mandžić, K. and Babajić, E. |
| Publisher, year and place | III Symposium "Mining 2012" with international participation. Zlatibor, Serbia, 07.05 - 10.05. 2012. |
| 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, pp. 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 | "Stone Balls" by Zavidović - BiH. |
| Authors | Babajić, E., Junuzović, R., Šuvalić, A., and Osmanović, Dž. |
| Publisher, year and place | 6th Regional Congress of Geotechnology Faculty Students GEOREX, Niš, Serbia, 2012 . |
| Publication name | Geological conditions for the construction of the T3 tunnel at Bradina near Konjic. |
| Authors | Babajić, E., Jahić, A., and Kavazović, E. |
| Publisher, year and place | VII Regional Congress of Students of Geotechnology Faculties GEOREX, p. 17-25. Osijek, Croatia, 2013. |
| Publication name | Qualitative characteristics of bauxite „Oštrej“ 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 | Petrographic characteristics and rock nomenclature of the Ribnica quarry near Banovići . |
| Authors | Babajić, A., Salkić, Z. and Babajić, E. |
| Publisher, year and place | Proceedings, pp. 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 [†]., Salkić, Z. and Babajić, A.
 Publisher, year and place Proceedings, pp. 160 - 176. V Conference of Geologists of Bosnia and Herzegovina with International participation. Pale, Sarajevo, 2013.
- Publication name Qualitative characteristics of the limestone of the Dračevo locality near Čapljina.
 Authors Babajić, E., Junuzović, R. and Šuvalić, A.
 Publisher, year and place VII Regional Congress of Students of Geotechnology Faculties GEOREX, p. 7-15. Osijek, Croatia, 2013.
- Publication name Mineralogical-petrographic characteristics of Tertiary volcanic rocks in the vicinity of Srebrenica, northeastern Bosnia.
 Authors Salkić, Z., Lugović, B [†]., Babajić, E., and Babajić, A.
 Publisher, year and place Proceedings, pp. 194 - 212., V Conference of Geologists of Bosnia and Herzegovina with International participation. Pale, Sarajevo, 2013.
- Publication name Middle Jurassic radiolarians from ophiolitic mélangé of Dinaride Ophiolite Zone (DOZ) - age and geodynamic significance (Papratnica river, northern Bosnia and Herzegovina).
 Authors Šegvić, B., Vranjković, A., Kukoč, D., Brčić, V., Goričan, Š., Babajić, E., Hrvatović, H. Dragičević, I., and Pađen, M.
 Publisher, year and place Proceedings of the 16th Congress of Geologists of Serbia / Cvetković, Vladica (ed). - Belgrade: Šprint, 2014. 82-84 (ISBN: 978-86-86053-14-5). Donji Milanovac, 22-25.05.2014. ABSTRACT, 2014.
- Publication name Gypsum-anhydrites of Gornji Vakuf as building material.
 Authors Babajić, E., Idrizović, A., Keserović, M., and Karajić, E.
 Publisher, year and place VIII Regional Congress of Students of Geotechnology Faculties GEOREX, p. 175-182. Ohrid, Macedonia, 2014.
- Publication name Lipnik quarry dolomites (Sanski Most) as technical building stone.
 Authors Babajić, E., Beširević, Z., Filipović, E., Music, B., and Sarač, I.
 Publisher, year and place VIII Regional Congress of Students of Geotechnology Faculties GEOREX, p. 81-90. Ohrid, Macedonia, 2014.
- Publication name Aggressiveness of mineral dusts.
 Authors Mičević, S., Marković, J., Babajić, E. and Ferhatović, M.
 Publisher, year and place International Conference on Innovative Technologies in Safety Engineering. Vol. 1, No. 1., 2015.
- Publication name New record of middle jurassic radiolarians and evidence of neotethyan dynamics documented in a mélangé from the Central Dinaridic Ophiolite Belt (CDOB, NE Bosnia and Herzegovina).
 Authors Šegvić, B., Kukoč, D., Dragičević, I., Vranjković, A., Brčić, V., Goričan, Š., Babajić, E. & Hrvatović, H.
 Publisher, year and place Ophiolites, 2014, 39 (1), 31-41 - doi: 10.4454/ophiolites. v39i1. 427 31., 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.

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| Publication name | Microphysiography of mafic intrusive rocks Krivaja-Konjuh ophiolite complex in the function of petrological and geotectonic considerations. |
| Authors | Babajić, E. & Babajić, A. |
| Publisher, year and place | Proceedings of the 1 st Congress of Geologists in Bosnia and Herzegovina. Tuzla, 2015. |
| 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 | 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. & Akmadžić 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 | Freshwater and marine Miocene on the Čaklovići cross section in Tuzla basin. |
| Authors | Vrabac, S., Đulović, I., Babajić, E., Ustalić, S., Mujanović, A. & Kamberić, M. |
| Publisher, year and place | EGU series: Émile Argand Conference - 13 th Workshop on Alpine Geological Studies. Abstract volume, pp 107. September 7 th - 18 th 2017, Zlatibor Mts. Serbia, 2017. |
| Publication name | The lower Miocene and the lower Badenian on the Čaklovići section in the Tuzla basin. |
| Authors | Ćorić, S., Vrabac, S., Đulović, I. & Babajić, E. |
| Publisher, year and place | 17 th Serbian Geological Congress. Book of Abstracts, pp. 115 - 120. Vrnjačka Banja, 2018. |
| Publication name | Architectural and building stone of Bosnia. |
| Authors | Hajdarević, I. and Babajić, E. |
| Publisher, year and place | Special edition of the Faculty of Civil Engineering, University of Mostar - "Hercegovina zemlja kamena", p. 65 - 86., 2018. |
| Publication name | Petromechanics of Jablanica gabbro. |
| Authors | Mandžić, K., Babajić, E., Ibrahimović, A. and Mandžić, E. |
| Publisher, year and place | Special edition of the Faculty of Civil Engineering, University of Mostar, 2018. |
| Publication name | Uranium (U) concentrations in the soil of Tuzla's urban area. |
| Authors | Stjepić Srkalović, Ž., Babajić, E., Srkalović, D. and Gutić, S. |
| Publisher, year and place | Acta geographica Bosniae et Herzegovinae, 9, (53-60), 2018. |
| Publication name | Formation mechanisms of Fe-Mn concretions in the Vijenac Quarry, Dinaridic Ophiolite Zone. |
| Authors | Bevandić, S. , Brenković, T., Babajić, E. & Borojević - Šoštarčić, S. |

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| Publisher, year and place | The Mining-Geology-Petroleum Engineering Bulletin, pp. 63-74. UDC: 552.1, DOI: 10.17794/rgn.2018.3.7, 2018. |
| Publication name | Miocene syncline of Smoluća near Lukavac. |
| Authors | Đulović, I., Babajić, E., Vrabac, S., Jašarević, E. and Taletović, N. |
| Publisher, year and place | Gazette of the Faculty of Mining, Geology and Construction, No. 6, pp. 18-24, 2018. |
| Publication name | The methodology of creating a small-scale slide susceptibility map based on the example of the municipality of Prozor - Rama. |
| Authors | Babajić, E., Kikanović, N., Mandžić, K., Ibrahimović, A. and Hodžić, S. |
| Publisher, year and place | Gazette of the Faculty of Mining, Geology and Civil Engineering, No. 6, pp. 47-54, 2018. |
| Publication name | Chromium (Cr) and nickel (Ni) in the soil of the urban part of Tuzla. |
| Authors | Stjepić Srkalović, Ž., Srkalović, D. and Babajić, E. |
| Publisher, year and place | Gazette of the Faculty of Mining, Geology, and Civil Engineering, No. 6, pp. 55-61, 2018. |
| Publication name | Petrogenesis of high-grade metamorphic soles from the Central Dinaridic ophiolite belt and their significance for the Neotethyan evolution in the Dinarides. |
| Authors | Šegvić, B., Slovenec, D., Altherr, R., Babajić, E., Mählmann, RF & Lugović, B [†] . |
| Publisher, year and place | Ophiolites, 44 (1), 1-30 - doi: 10.4454/ophioliti.v44i1.462 1, 2019. |
| Publication name | Possibility of using the Vijenac limestones in the production of cement and soda. |
| Authors | Babajić, E., Salkić, Z., Nuhic. M. |
| Publisher, year and place | Journal of the Faculty of Mining, Geology and Civil Engineering; 2019. |
| Publication name | Petrogenesis of high-grade metamorphic soles from the central Dinaric ophiolite belt and their significance for the Neotethyan evolution in the Dinarides. |
| Authors | Šegvić, B., Slovenec, Da., Alther, R., Babajić, E., Badurina, L., Lugović, B†. |
| Publisher, year and place | Ophiolites, 2019, 44 (1), 1-30 - doi: 10.4454/ophioliti.v44i1.462 1., 2019. |
| 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, pp. 119 – 136. Laktaši, 2019. |
| Publication name | Sm-Nd geochronology and petrologic investigation of a sub-ophiolite metamorphic sole from the Dinarides (Krivaja-Konjuh Ophiolite Complex, Bosnia and Herzegovina). |
| Authors | Šegvić, B., Slovenec, Da., Schuster, R., Babajić, E., Badurina, L., Lugović, B. |
| Publisher, year and place | Geologia Croatica 73(2):119-130 . DOI: 10.4154/gc.2020.09 ., 2020. |
| Publication name | Petrography and mineral chemistry of Oligocene shoshonitic dacites from Central Bosnia. |
| Authors | Salkić Z., Lugović B†., Babajić E. |
| Publisher, year and place | Archives for Technical Sciences 2020, 22(1), 1-10. UDC 561.62:551.781.5]:553.98(497.6) DOI: 10.7251/afts.2020.1222.001S COBISS.RS-ID 8853528., 2020. |
| Publication name | Gold, Silver and Iron in Iron Oxy-hydroxide Precipitate Formed in Process of Acid Mine Drainage. |
| Authors | Jurković, J., Babajić, E., Muhić - Šarac, T., Kolar, M., Kazlagić, A. |

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| Publisher, year and place | Journal of Mining and Environment (JME), DOI: 10.22044/jme.2020.9096.1811., 2020. |
| Publication name | Geochemistry and petrogenesis of Oligocene dacites from the central Bosnia and Herzegovina with insight into the post collisional tectonic evolution of the central Dinaridic ophiolite belt. |
| Authors | Salkić Z., Lugović B†., Babajić E. |
| Publisher, year and place | Archives for Technical Sciences 2021, 24(1), 17-30. UDC 546.224-31:549.755.36(497.6) DOI: 10.7251/afts.2021.1324.017S COBISS.RS-ID 132376065., 2021. |
| 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, p. 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., p. 17-28, 2021 |
| Publication name | Geology and petrography of the Ozren ophiolite complex in Bosnia and Herzegovina – an introductory study. |
| Authors | Ustalić, S., Putiš, M., Nemec, O., Ružička, P., Babajić, E. |
| Publisher, year and place | Študentská vedecká konferencia príf uk 2022t: Bratislava, Slovakia, 2022. |
| Publication name | Petrography of ultrabasic and basic rocks from the Ozren ophiolite complex (Bosnia and Herzegovina). |
| Authors | Ustalić, S., Putiš, M., Nemec, O., Ružička, P. Babajić, E., Katanić, P. |
| Publisher, year and place | In: Alpshop 2022 Conference Book: 15TH Emile Argand Conference on Alpine Geological Studies, Ljubljana, Slovenia, 2022. |
| Publication name | FIELD TRIP GUIDEBOOK. |
| Authors | Vrabac, S., Ćorić, S., Đulović, I., Bošnjak, M., Babajić, E., Hrvatović, H., Rundić, Lj., Jovanović, G., Dervišević, R., Renovica, S., Ustalić, S. |
| Publisher, year and place | JOURNAL OF FACULTY OF MINING, GEOLOGY AND CIVIL ENGINEERING • 1/2022 , DOI 10.51558/2303-5161..2022.1.1.55, page: 55-75., 2022. |
| Publication name | Mineralogical-Petrographic Record of Melt-Rock Interaction and P–T Estimates from the Ozren Massif Ophiolites (Bosnia and Herzegovina). |
| Authors | Putiš, M., Nemec, O., Ustalić, S. Babajić, E. Ružička, P., Koller, F., Kurylo, S., Katanić, P. |
| Publisher, year and place | Minerals 2022, 12, 1108. https:// doi.org/10.3390/min12091108 , 2022. |
| 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, pp. 119 – 136. Neum, 2023. |
| Publication name | Metal Nanomaterials from Secondary Mining Resources. |
| Authors | Gotovac-Atlagić, S., Šukur, S., Babajić, E. |
| Publisher, year and place | Production. ©Springer Nature Singapore Pte Ltd. 2023 C. Baskar et al. (eds.), Encyclopedia of Green Materials, https://doi.org/10.1007/978-981-16-4921-9_4-1 , 2023. |

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| Publication name | Geochemical distribution of potentially toxic elements in the river Spreča field of the Lukavac municipality, str. 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 | Comparative study of radiolarians from the Ozren and Borja-Mahnjača Dinaridic ophiolitic massifs in Bosnia and Herzegovina. |
| Authors | Ustalić, S., Sotak, J., Putiš, M., Babajić, E., Ružička, P. |
| Publisher, year and place | Conference: THE SCIENTIFIC CONFERENCE (21st PVS SGS) HELD ON DECEMBER 7, 2023 ON THE OCCASION OF THE 100th ANNIVERSARY OF FOUNDING OF THE SLOVAK GEOLOGICAL SOCIETY AND THE CZECH GEOLOGICAL SOCIETY, Bratislava, Slovakia, 2023. |
| Publication name | Lithological cross-section and mineralogical-petrographical characterization of the Ozren and Borja Mahnjača ophiolite complexes in Bosnia and Herzegovina. |
| Authors | Ustalić, S., Putiš, M., Babajić, E., Nemec, O., Ružička, P. |
| Publisher, year and place | Conference: Scientific conference on the occasion of the 100th anniversary of the founding of the Slovak Geological Society and the Czech Geological SocietyA, Bratislava, Slovakia, 2023. |
| Publication name | Ophiolitic mélange with components of the Middle Triassic, Lower and Middle Jurassic radiolarites in the Ozren and Borja-Mahnjača massifs (Central Dinarides, Bosnia and Herzegovina): Impact on Neotethys evolution. |
| Authors | Sotak, J., Ustalić, S., Putis, M., Babajić, E., Ružička, P., Nemec, O. |
| Publisher, year and place | GEOLOGICA CARPATHICA , 2024, 75, 5, 339–355 https://doi.org/10.31577/GeolCarp.2024.20 ., 2024. |
| Publication name | Amphibole Group Minerals in the Ozren Massif Ophiolites of Bosnia and Herzegovina as Petrogenetic Indicators. |
| Authors | Ustalić, S.; Nemec, O., Milovská, S., Putiš, M., Babajić, E., Kurylo, S., Ružička, P. |
| Publisher, year and place | Minerals 2024, 14, 239. https://doi.org/10.3390/min14030239 https://www.mdpi.com/journal/minerals ., 2024. |
| Publication name | Behavior of redox-sensitive elements (Ti, As, V and Fe) in a clay pit samples with and without Al – normalization. |
| Authors | Jurković, J., Tvica, M., Babajić, E., Čengić, L., Sulejmanović, J. |
| Publisher, year and place | Geochemistry Exploration Environmental Analysis 24(1). DOI: 10.1144/geochem2023-047 ., 2024. |
| Publication name | Synthesis, Characterization and Optical Morphology of ZnO Nanoparticles. |
| Authors | Smajlagić, A., Modrić-Šahbazović, A., Sakić, Z., Babajić, E. |
| Publisher, year and place | Open Journal of Applied Sciences, 2024, 14, 1330-1337 https://www.scirp.org/journal/ojapps ISSN Online: 2165-3925ISSN Print: 2165-3917., 2024. |
| 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 | JOURNAL OF FACULTY OF MINING, GEOLOGY AND CIVIL ENGINEERING, ISSN 2303-5145 (Print), ISSN 2303-5145 (Online), 2025. |
| Publication name | Neotethyan Jurassic supra-subduction ophiolitic complex with Triassic subducted sole: Mineral chemistry, sole P – T estimates, and U/Pb geochronology of an intra- |

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| <p>Authors</p> <p>Publisher, year and place</p> | <p>oceanic domain (Central Dinarides, Bosnia and Herzegovina).</p> <p>Putiš, M., Nemec, O., Ustalić, S., Balen, D., Slama, J., Babajić, E., Sotak, J., Ružička, P., Kurylo, S., Katanić, P. (2025):</p> <p>Geochemistry</p> <p>Available online 21 February 2025, 126263.</p> <p>https://doi.org/10.1016/j.chemer.2025.126263</p> |
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Recognitions and awards

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| <p>Name</p> <p>Institution</p> <p>Reason</p> | <p>Winner of the Silver Plaques of the University of Tuzla (academic years 96/97; 97/98 and 98/99)</p> <p>University of Tuzla, Faculty of Mining, Geology and Civil Engineering</p> <p>For achieved success in education (average grade above 9).</p> |
| <p>Name</p> <p>Institution</p> <p>Reason</p> | <p>Winner of the Golden Plaque of the University of Tuzla (academic year 1999/2000)</p> <p>University of Tuzla, Faculty of Mining, Geology and Civil Engineering</p> <p>For achieved success in education (average grade above 9).</p> |
| <p>Name</p> <p>Institution</p> <p>Reason</p> | <p>Winner of the Golden Badge of the University of Tuzla (academic year 1999/2000)</p> <p>University of Tuzla, Faculty of Mining, Geology and Civil Engineering</p> <p>For achieved success during education (average grade above 9).</p> |
| <p>Name</p> <p>Institution</p> <p>Reason (reason)</p> | <p>Student of the RGGF generation (academic year 1999/2000)</p> <p>University of Tuzla, Faculty of Mining, Geology and Civil Engineering</p> <p>For achieved success during education (average grade above 9).</p> |

Membership in professional associations

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| <p>Name of the association</p> <p>Brief description of the association</p> <p>Position in the association</p> | <p>Association of Geologists in Bosnia and Herzegovina</p> <p>The association brings together experts and scientists engaged in research in the field of geology.</p> <p>Member of the Board of Directors, Member</p> |
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Participation in the teaching process

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| <p>For the current academic year</p> <p><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></p> | <p>Lectures on subjects:</p> <p>I cycle: Basic petrography, Methods of testing mineral raw materials, Optics of petrogenic minerals, Optics of ore minerals, Petrology of igneous and metamorphic rocks, Mining geology, Deposits of metallic mineral raw materials,</p> <p>II cycle: Petrology and geochemistry of rocks of Bosnia and Herzegovina.</p> |
| <p>In previous academic years</p> <p><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></p> | <p>I cycle: Basic petrography, Methods of testing mineral raw materials, Optics of petrogenic minerals, Optics of ore minerals, Petrology of igneous and metamorphic rocks, Mining geology, Deposits of metallic mineral raw materials,</p> <p>II cycle: Petrology and geochemistry of rocks of Bosnia and Herzegovina.</p> |

Doctoral dissertation**Membership in Commissions**

1. Member of the Commission for assessing the conditions of candidates for obtaining the scientific degree of doctor of Science and the suitability of the topic for the doctoral dissertation of candidate Mr.sc. Damir Baraković, on the topic: "Geological structure and potential of non-metallic mineral raw materials of the Gračanica-Sočkovac area" at the Faculty of Mining, Geology and Civil Engineering, University of Tuzla.

Decision number: 03-8146-10.3.4/10.

2. Member of the Commission for the evaluation and defense of the doctoral dissertation, Mr.Sc. Josip Jurković, senior assistant at the Faculty of Agriculture and Food, University of Sarajevo, under the title: "Environmental contamination with substances from the abandoned gold mine in Bakovići (Fojnica)".

Decision number: 01/06-2374/17-2011.

3. Member of the Commission for the Evaluation and defense of the doctoral dissertation, Mr.sc. Goran Glamuzina, B. Eng. Geology. under the title: "Paleogeography of Western Herzegovina in the Eocene".

Decision number: 03-620-12.1.2/18, dated February 7, 2018. year.

4. Member of the Commission for the evaluation and defense of the doctoral dissertation of Mr.sc. Jasmin Isabegović, B. Eng. Geology. entitled: "The influence of the properties of the deposited material on the stability of the landfill through the mutual relationship between height and slope".

Decision number: 03-1551-1-7.1.2/21, dated March 26, 2021. year.

**Master's Thesis/Final Master's Thesis
Mentoring**

1. "Petrographic determination of carbonate rocks of Vijenc near Lukavac with the aim of application in the cement and soda industry", Bajro Musić, bachelor - ing.geol.

Decision number: 02/8-189-7/15.

Thesis defended on March 7, 2016, at the Faculty of Law, University of Tuzla.

2. "Carbonate rocks of the Ribnica deposit near Kakanj as a raw material in the cement industry", Jasmina Hadžić, B.Sc. Eng. geol.

Decision number: 02/8-5414-5.9/14.

Thesis defended on July 18, 2016, at the RGGF of the University of Tuzla.

3. "Alteration processes in ultramafic rocks at PK Delić Brdo in Petrovo", Zerina Beširević, bachelor - ing.geol.

Decision number: 02/8-19/17-4/15. (construction in progress).

4. "Geochemical distribution of potentially toxic elements in the soil of the wider Maglaj area", Samir Ustalić, bachelor - ing.geol.

Decision number: 02/8-4432-4/19.

Thesis defended: October 2019.

5. "Carbonate rocks of the "Vijenac" mine near Lukavac as input raw materials in the soda and cement industry ", Medina Nuhić, bachelor - ing.geol.

Decision number: 02/8-3204-1.3.1/20.

Thesis defended: November 2020.

6. "The degree of soil contamination with potentially toxic elements in the barrier field of the Lukavac municipality", Selma Gegić, bachelor - ing.geol.

Decision number: 02/8-6105-6.4/19.

Thesis defended: February 2022.

7. "Red mud as a potential carrier of rare earth elements - the example of the Dobro Selo landfill near Mostar", Selma Gosto, bachelor - ing.geol.

Decision number: 02/8-3788-1.5/22.

Thesis defended: March 2023.

8. " Petrochemical characteristics of magnesite and source rocks of the Miljevica deposit near Kladanj", Dževad Alatić, B. Eng. in Geology.

Decision number: 02/8-3788-1-4/22.

Thesis defended: work in progress.

9. "Assembly of igneous rocks in the function of engineering geological research", Tarik Čehajić, bachelor - ing.geol.

Decision number: 02/8-3891-1-5.3/24

Thesis defended: work in progress.

10. "Petrological-geochemical and geotectonic characteristics of granite deposits of Pogar formation", Selma Čatić, bachelor - ing.geol.

Decision number: 02/8-3180-1-6.4/24

Thesis defended: work in progress.

Scientific research projects and studies

Domestic scientific research projects

1. Tempus-Phare Joint European Project: Curriculum Development in Soil Ecology, Gent Belgium, Kaiserslautern Germany, ETP-New JEP, 1999-2002, University of Tuzla, RGGF in Tuzla. The aim of the Project is to educate students in the field of soil ecology. The Project was implemented through the adoption of new curricula in accordance with the programs of the European University Centers, restructuring of existing school curricula, additional training of teaching staff, organization of intensive foreign language courses and additional equipment of laboratories with the purchase of modern equipment for educational and scientific research.
- 2.
3. Scientific project: *DAAD-Project - Environmental Protection - Old Landfills* :University of Kaiserslautern - Germany, University of Banja Luka, University of Mostar, University of Tuzla, /Kaiserslautern, Mostar, Banja Luka, Tuzla, 2000 - 2003.
4. 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, docent.

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

5. Tectonomagmatic correlation of fragmented oceanic lithosphere in the Dinarides.

Project leader: Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, Funded by the Ministry of Science, Education and Sports. Zagreb, 2008-2011.

Project manager: Dr. sc. Boško Lugović, associate professor.

Project collaborators: Slovenec, D., Miletić, D., Šegvić, B., Altherr, R., Salkić, Z. and Babajić, E.

6. Modernization of the scientific-teaching process and scientific-research work in the field of mineralogy and petrology.

Project Leader: Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2010/2011. Project funded by the Federal Ministry of Education, Science and Culture.

Project leader: Ph.D. Elvir Babajić, docent

7. Petrochemical characterization of magmatic mafic extrusive rocks of Konjuh and Majevica.

Project holder: Faculty of Mining, Geology and Civil Engineering of the 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 leader: Ph.D. Elvir Babajić, docent.

8. 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 No.: 01/2-7396-VI/15, dated 11.12.2015.

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

Project leader: Ph.D. Elvir Babajić, docent.

9. 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 leader: Ph.D. Elvir Babajić, docent.

10. Geochemical gold prospecting in the alluvium of the Željeznica River - 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 leader: Ph.D. Elvir Babajić, associate professor

11. 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 leader: Ph.D. Elvir Babajić, associate professor.

International projects

1. iTARGET - Innovative targeting & processing of W-Sn-Ta-Li ores: towards EU's self supply.

Holder: Spanish National Research Council.

Position: as an external associate engaged by the Faculty of Mining, Geology and Petroleum, University of Zagreb. Duration of the Project: 2018 – 2020.

2. Transnational land use risk management through the creation of landslide susceptibility maps: "safEarth" - (HR-BA-ME59) of the Interreg IPA - CBC Croatia - Bosnia and Herzegovina - Montenegro 2014 - 2020 program.

Project holder: Croatian Geological Institute Zagreb, Croatia.

Project financed by the IPA Foundation.

Position: Implementation Manager (Fieldwork and Cartography) for the part of the Project implemented in BiH (Municipality of Prozor-Rama, Municipality of Žepče, City of Tuzla and Brčko District). Decision No.: 06/8-148-2/16, dated 09.06.2017.

3. 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).

Position: Project Manager.

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

4. 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).

Position: Project Manager.

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

Economic projects and studies

1. Study on the classification and categorization of reserves of the limestone deposit "Oštro Brdo" near Živinice, 2004. Authors: Salihović, S., Babajić, E. and Imamović, A., RGGF, 2004.
2. Project of detailed geological research of limestone at the site "Zaketuša" - Srebrenik municipality. Authors: Salihović, S. and Babajić, E., RGGF, 2005.
3. Study on the classification and categorization of reserves of the limestone deposit "Oštro Brdo" near Živinice. Authors: Salihović, S. and Babajić, E., RGGF, 2005.
4. Study on the classification and categorization of reserves of the limestone deposit "Zaketuše" near Srebrenik. Authors: Salihović, S. and Babajić, E., RGGF, 2005.
5. Elaborate on the classification and categorization of reserves of diabase

- deposit "Papratnica" near Ribnica-Banovići. Authors: Salihović, S. and Babajić, E., RGGF, 2006.
6. Elaborate on the classification and categorization of reserves of the "Papratnica" diabase deposit near Žepč. Authors: Salihović, S., Babajić, E. and Mandžić, K., RGGF, 2006.
 7. Project for detailed geological exploration of the lignite deposit "Kongora" near Tomislavgrad. Authors: H. Isaković, E. Babajić, R. Dervišević, S. Mičević and E. Delić. JP Elektroprivreda of the Croatian Community of Herceg Bosna dd, Mostar, 2006-2008. (Construction of the mine and the Thermal Power Plant "Kongora" near Tomislavgrad).
 8. Project extinguishing burning coal in area former mining " Vihovići " mine near Mostar foreseen for rehabilitation and recultivation , RGGF in Tuzla, March 2008.
 9. Elaborate about classification , categorization and budget reserves lignite " Kongora " deposit code Tomislavgrada . Authors: H. Isaković, E. Babajić, J. Marinčić and G. Glamuzina. JP Elektroprivreda Croatian Community Herceg Bosna dd, Mostar in 2009 (Construction of mine and Thermal Power Plant "Kongora" near Tomislavgrad).
 10. Elaborate about so far degree research diabase on locality Begov Han – Municipality of Žepče with a proposal for further research. Authors: E. Babajić and A. Babajić., RGGF, 2009.
 11. Extract from Project with technical description and situational solution of the exploration field, exploitation field and reserve field at the diabase deposit – Ribnica, Banovići municipality . Author: E. Babajić , RGGF, 2009.
 12. Study on the economic justification of granting a concession for the exploration and exploitation of diabase at the Ribnica site, Banovići municipality. Author: E. Babajić. RGGF in Tuzla, 2010.
 13. Basic project of detailed geological research of sedimentary carbonate rocks - limestones in the locality of Dračevo - municipality of Čapljina. Authors: E. Babajić, K. Mandžić, A. Babajić, and E. Mandžić . RGGF in Tuzla, 2012.
 14. Study on engineering-geological and geotechnical characteristics of the terrain at the location of bridge III, section Tarčin – Zukići, corridor 5C . Chief designer. Geotehnos doo Sarajevo, 2012.
 15. Study on engineering-geological and geotechnical characteristics of rocks at the location of Tunnel III, section Tarčin – Zukići, corridor 5C, mission G21 . Chief designer. Geotehnos doo Sarajevo, 2012.
 16. Study on engineering-geological and geotechnical characteristics of rocks at the location of Tunnel I, Lašva – Nević Polje expressway, mission G21. Chief designer. Geotehnos Ltd. Sarajevo, 2013.
 17. Study on engineering-geological and geotechnical characteristics of rocks at the location of Tunnel II, Lašva – Nević Polje expressway, mission G21. Chief designer. Geotehnos doo Sarajevo, 2013 .
 18. Study on engineering-geological and geotechnical characteristics of rocks at the location of Tunnel III, Lašva – Nević Polje expressway , mission G21. Chief designer. Geotehnos Ltd. Sarajevo, 2013.
 19. Study on engineering-geological and geotechnical characteristics of rocks at the location of Tunnel I, Počitelj-Bijača section, mission G21. Chief designer. Geotehnos Ltd. Sarajevo, 2014.
 20. Project of detailed geological investigations of gold in the Bakovići locality. Authors: N. Hodžić, M. Djedović and E. Babajić. Rudar doo Tuzla, 2014.
 21. Study on the classification, categorization and calculation of magnesite ore reserves of the Konjuh-Miljevica deposit. Authors: N. Hodžić, M. Djedović and E. Babajić. Rudar doo Tuzla, 2014.

22. Project of detailed geological research of limestone at the site "Stupari" – Stupari near Kladanj.
Author: Babajić, E. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2022.
23. 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.
24. Study on the economic justification 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.
25. 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.
26. Study on the classification, categorization and calculation of reserves of technical construction limestone at the PK "Stupari" - Stupari, municipality of Kladanj.
Authors: Babajić, E., Hodžić, M. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023.
27. Elaborate on the classification, categorization and calculation of reserves of technical diabase construction stone at the "Ribnica" deposit near Banović.
Authors: Babajić, E., Hodžić, M. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2023.
28. Report on geological prospection of the terrain in the area, municipality Zagora near Grahovo (municipality of Nikšić, Montenegro) in order to identify potential locations architectural and construction and technical construction stone.
Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2024.
29. "Reserve Book" of deposited gabbro material at the "Jablanica" deposit near Jablanica, with the status from 31.12.2008 to 31.01.2024.
Authors: Babajić, E., Hodžić, M. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2024.
30. Study on the classification, categorization and calculation of reserves of technical construction limestone at the "Sklop" quarry - Gračanica, Gračanica municipality. Authors: Babajić, E., Hodžić, M. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2024.
31. Feasibility study of granting a concession for the exploration and exploitation of limestone (architectural and technical construction stone) at the location "Rupice" - Municipality of Grude and "Lončaci" - City of Široki Brijeg.
Authors: Babajić, E., Babajić, A. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2025.
32. Preliminary design for geological exploration of copper (Cu) and associated mineralizations in the municipalities of Tešanj and Maglaj (Ripna – Moševac line).
Author: Babajić, E. Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 2025.
33. Annex to the study on the classification, categorization and calculation of limestone reserves as architectural, construction and technical construction stone at the location "Trebačko brdo" - Trepče, Tešanj

municipality as of April 15, 2025, below an elevation of 515 m.

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

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

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

35. 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 Monograph: "KRIVAJA-KONJUH OPHIOLITE COMPLEX: PETROLOGY, GEOCHEMISTRY AND GEOTECTONICS OF THE MAFFITE SEQUENCE", Tuzla 2019.

Author Babajic, E.

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Personal skills and competencies

Native language

Bosnian

Other languages

| Understanding | | Speech | | Writing |
|---------------|---------|-------------------|--------|---------|
| Listening | Reading | Voice interaction | Speech | |

Russian Language

English Language

| | | | | |
|-----------|-----------|-----------|-----------|-----------|
| excellent | excellent | excellent | excellent | excellent |
| good | good | good | good | good |

Scientific, professional and social competences

Competencies for conducting scientific research and teaching in higher education

Petrology, Geochemistry of rocks and soil, Mineral deposits /quality, quantity/

Competencies for participation in scientific research projects

Methods of testing mineral raw materials, Optical tests of rocks and minerals, Geochemistry of rocks and soil, Deposits of mineral raw materials /design, quality, quantity/

Scientific and research interest (occupation) and current training

Mineral deposits

Planned training

Modern methods of research of deposits of mineral raw materials and rocks

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

Optical methods of testing rocks and mineral raw materials

| | |
|----------------------------------|---|
| Computer skills and competencies | Knowledge of the Office software package (Word, Excel, Power Point), as well as 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 | Stringed instruments. |

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, 03.06.2025. year

Ph.D. Elvir Babajić, associate professor