

Academic Curriculum vitae



Personal information

Name and Surname

Sabid Zekan

Current employment / Address

University of Tuzla, Faculty of Mining, Geology, and Civil Engineering (RGGF)
Urfeta Vejzagića 2, 75000 Tuzla, BiH

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Citizenship

Bosnia and Herzegovina

Date of birth

January, 04. 1970.

Sex:

Male

Work experience

Dates	2023 – until now
Position	Professor
Responsibilities and duties	Mechanics, Rock and Soil Mechanics, Geotechnics, Landslides, Mining Subsidence, Geohazards
Employer	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Activities of the employer	Resarch / Teaching / Consalting
Dates	2011 – 2023
Position	Associate Professor
Responsibilities and duties	Mechanics, Rock and Soil Mechanics, Geotechnics, Landslides, Mining Subsidence, Geohazards
Employer	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Activities of the employer	Resarch / Teaching / Consalting
Dates	2005 - 2011
Position	Assistant Professor
Responsibilities and duties	Mechanics, Rock and Soil Mechanics, Geotechnics, Landslides, Mining Subsidence, Geohazards
Employer	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Activities of the employer	Resarch / Teaching / Consalting
Dates	1996 - 2005
Position	Assistant
Responsibilities and duties	Mechanics, Rock and Soil Mechanics,
Employer	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Activities of the employer	Resarch / Teaching / Consalting

Education

Date	2005
Qualification acquired	Ph.D. – Doctor of Technical Sciences
Discipline	Geotechnics (Soil-Structure interaction in mining subsidence terrain)
Institution of education	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Date	2000
Qualification acquired	MA - Master of Technical Sciences
Discipline	Geotechnics (Sustainable development's aspects of mining engineering)
Institution of education	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Date	1995.
Qualification acquired	Dipl. Eng. Mining
Discipline	Mining Engineering
Institution of education	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Date	1988.
Qualification acquired	Technician of Civil Engineering
Discipline	Civil Engineering
Institution of education	Secondary School of Mrkonjić-Grad

Research in the scope of formal education

Title	<i>Ph.D Dissertation: "Geotechnical aspects of soil – structure interaction in subdinece zone by underground mining"</i>
Institution	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Place and Date	Tuzla, 2005
Short Abstract	In the doctoral dissertation, interaction of a rigid concrete foundation structure with the deformable soil was considered. It had been investigated interaction of rigid structures processes with ground in subsidence zones in the territory of Bosnia and Herzegovina and the world . The doctoral dissertation determined that ground subsidence affects foundation structure by additional loading. In a pressure zone of subsidence, foundations are pressed by passive pressure from outside and frictional forces from outside - in a tension zone, foundations are pressed by passive pressures from inside of a structure as well as frictional forces.
Title	<i>MA degree: Geotechnical aspects of minerals exploitation to sustainable development</i>
Institution	University of Tuzla, Faculty of Mining, Geology, and Civil Engineering
Place and Date	Tuzla, 2005
Short Abstract	In the master's thesis, the problem of sustainable development in the function of exploitation of mineral raw materials is presented. The issue of ground subsidence in the Bukinje Mine area was addressed. It has been proven that the application of the NCB method can be successfully used in the assessment of ground subsidence, because the results were approximately equal to the measured values.

Bibliography - books

Title	LABORATORY'S GEOTECHNICS
Authors	Sabid Zekan , Mersudin Hodžić
Publisher	INSCAN d.o.o. Tuzla, ISBN: 978-9926-522-01-8, COBISS.BH-ID 54443526
Place, Date	Tuzla, 2023

Title	APPLIED MECHANICS - STATICS
Authors	Sabid Zekan , Zijad Požegić, Nedžad Ribić
Publisher	INSCAN d.o.o. Tuzla, ISBN 978-9958-894-79-4, COBISS.BH-ID 40755206
Place, Date	Tuzla, 2020. godine

Title	MINING SUBSIDENCE
Authors	Sabid Zekan
Publisher	Ars grafika, Tuzla, ISBN: 978-9958-894-08-04, COBISS.BH-ID 18749958
Place, Date	Tuzla, 2011. godine

Bibliography – selected articles

Title	Community perceptions of landslide risk and susceptibility: a multi-country study
Authors	Moeen Hamid Bukhari, Paula F. da Silva, Jürgen Pilz, Erkan Istanbuluoglu, Tolga Görüm, Juneseok Lee, Ajlina Karamehic-Muratovic, Tamanna Urmi, Arezoo Soltani, Wahyu Wilopo, Javed Akhter Qureshi, Sabid Zekan , Kranthi Swaroop Koonisetty, Usupaev Sheishenaly, Latifur Khan, Juan Espinoza, Edna Patricia Mendoza & Ubydul Haque
Publisher	Springer / Landslides, Journal of the International Consortium on Landslides, DOI: 10.1007/s10346-023-02027-5
Place, Date	Springer-Verlag GmbH Germany, 2023.

Title	Monitoring subsidence in Tuzla (BiH) by DInSAR and GNSS from 2004-2019
Authors	Bojana Grujic; I Nyoman Sudi Parwata; Norikazu Shimizu; Ruža Celikovic; Edis Imamovic; Sabid Zekan ; Ivan Vrkljan
Publisher	Macedonian association for geotechnics / ISRM specialized conference Engineering problems in soft rocks, ISBN 978-9989-2053-5-4 (OnePetro – database, Google Scholar)
Place, Date	Ohrid, North Macedonia, 2022.

Title	Monitoring the Subsidence Induced by Salt Mining in Tuzla, Bosnia and Herzegovina by SBAS-DInSAR Method
Authors	I. N. S. Parwata, N. Shimizu, B. Grujić, S. Zekan , R. Čeliković, E. Imamović & I. Vrkljan
Publisher	Springer / Rock Mechanics and Rock Engineering / DOI: 10.1007/s00603-020-02212-1 ,
Place, Date	Springer-Verlag GmbH Austria, part of Springer Natura, 2020.

Title	Monitoring of subsidence induced by salt mining in Tuzla, Bosnia and Herzegovina by means of SBAS-DInSAR
Authors	I. N. S. Parwata; N. Shimizu; B. Grujic; S. Zekan ; R. Celicovic; E. Imamovic; I. Vrkljan
Publisher	CRC Press Taylor Francis Group / ISRM, EUROCK 2020, ISBN: 978-82-8208-072-9 (OnePetro – database, Google Scholar)
Place, Date	Trondheim, Norway, 2020
Title	Current state of landslides and slopes management in the area of Srebrenik, Bosnia and Herzegovina
Authors	Zukić M., Zekan S. , Đulović I., Ribić N., Ibrahimović Dz.
Publisher	Geotechnical Society of BiH / 4th Regional Symposium on Landslides, ISBN: 978-9926-8400-0-6, COBISS.BH-ID 28158214 doi.org/10.35123/ReSyLAB_2019_34
Place, Date	Sarajevo, 2019
Title	Subsidence parameters of the steep layer of Bukinje coal mine near Tuzla
Authors	Zekan S. , Hodžić M., Ribić N., Baraković A
Publisher	Geotechnical Challenges in Carst, ISRM Specialized Conference, Croatian Geotechnical Society ISBN: 978-953-95486-8-9
Place, Date	Omiš, Croatia, 2019
Title	Geotechnical solutions depending on the changes of soil parameters
Authors	Uljarević M., Grujić B., Zekan S. , Bioarac D., Palikuća Lj.
Publisher	CRC Press/Balkema / ISRM 2019 / Rock Mechanics for Natural Resources and Infrastructure Development, ISBN 978-0-367-42284-4 (OnePetro – database, Google Scholar)
Place, Date	Foz Do Iguasú, Brazil, 2019
Title	Soil-structure interaction at the Bogatići landslide in Bosnia and Herzegovina.
Authors	Zekan S. , Uljarević M., Mešić M., Baraković A
Publisher	Springer Nature Switzerland / Proceedings of China-Europe Conference on Geotechnical Engineering, ISSN 1866-8755, ISBN 978-3-319-97114-8. DOI: 10.1007/978-3-319-97115-5_145
Place, Date	Vienna, Austria, 2018.
Title	Application of DinSar for Monitoring the Subsidence Induced by Salt Mining in Tuzla, Bosnia and Herzegovina
Authors	Purwata N.S., Shimizu N., Zekan S. , Grujić B., Vrkljan I
Publisher	ARMS 10 - The ISRM 10th Asian Rock Mechanics Symposium
Place, Date	Singapore, 2018.
Title	False mining damages and the soil-structure interaction in the subsidence zone
Authors	S. Zekan. , Salković S., Baraković A., Hodžić M., Ribić N
Publisher	Saint Petersburg Mining University Geomechanical tools in planning, design and mining operations, ISBN: 978-5-94211-782-5, UDK 622.2 BBK 33.2
Place, Date	Saint Petersburg, Russia, 2017.

Title	Landslides in the Dinarides and Pannonian Basin—from the largest historical and recent landslides in Croatia to catastrophic landslides caused by Cyclone Tamara (2014) in Bosnia and Herzegovina
Authors	Arbanas-Mihalić S, Sečanj M., Gazibara-Bernat S, Krkač M, Begić H.; Džindo A.; Zekan S. ; Arbanas Ž.
Publisher	Landslides 2017, ISSN: 1612-5118, Landslides, DOI: 10.1007/S10346-017-0880-1
Place, Date	Springer-Verlag GmbH Germany, 2017.

Title	Extreme precipitation events and landslides activation in Croatia and Bosnia and Herzegovina
Authors	Gazibara-Bernat S, Krkač M, Vlahek-Pavlič I., Begić H.; Zekan S. , Sečanj M., Arbanas-Mihalić S.
Publisher	3rd Regional Symposium on Landslides in the Adriatic-Balkan Region, ISBN: 978-961-6498-58-6, doi.org/10.5474/9789616498593
Place, Date	Ljubljana, 2017.

Title	Bosnian Landslides Investigation and Stabilization Method (BLISM)
Authors	Sabid Zekan
Publisher	Geotechnical Society of BiH, GEO-EXPO 2015 ISSN: 2303-4262 doi.org/10.35123/GEO-EXPO_2015_12
Place, Date	Zenica, 2015.

Research projects

Title	<i>BLISM (Bosnian Landslides Investigation and Stabilization Method)</i>
Authors	S. Zekan et.all.
Publisher	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, 2014-2016, Tuzla
Abstract	The aim of this project is to introduce a new methodology in landslide research and stabilization. The new methodology would bring savings to investors and increase the quality of landslide stabilization, as well as general safety from natural disasters. The project has been completed in the part that aimed to create the basic postulates of the methodology. Further continuation should be implementation in the field. BLISM has been presented at several scientific and professional conferences in the country and abroad.

Title	<i>Risk Identification and Land-Use Planning for Disaster Mitigation of landslides and floods in Croatia</i>
Authors	Japanese-Croatian project
Publisher	Universities of Zagreb, Rijeka, Split and others, Japanese universities 2010-2013
Abstract	Participant at the project from Bosnia and Herzegovina

Title	RESPONSE TO LANDSLIDE AND FLASH FLOOD RISK WITH EARLY WARNING SYSTEM DESIGN
Authors	Adnan Ibrahimović, Kenan Mandžić, Sabid Zekan at.all.
Publisher	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla, 2020. godina
Abstract	The project is funded by the EU, cross-border cooperation between BiH, Croatia and Montenegro. The lead partner is the Croatian Geological Institute Zagreb, and the partners are the Faculty of Mining, Geology and Civil Engineering from Tuzla and the Institute for Geological Research Podgorica. The aim of the project is to improve the early warning methodology as a measure of society's resilience to natural disasters, in this case landslides.

Recognitions and awards

Title	GOLD PLAQUE
Institution	Geotechnical Society of Bosnia and Herzegovina
Abstract	The gold plaque is a gold-metal plate that simulates the borders of Bosnia and Herzegovina. It is completely gilded on the front side. In the central part of the plaque it says: DGT BiH. Below the plaque are the details of the winners, the place and date of the award.
Comments	- It is awarded in Neum, BiH, 2018.

Teaching process

Assistant	I cycle of study	Mechanics, Soil and Rock Mechanics
Associate Professor	I cycle of study	Mechanics, Soil and Rock Mechanics, Landslides, Earth Structures
Assistant Professor	I cycle of study	Mechanics, Soil and Rock Mechanics, Landslides, Earth Structures, Geotechnical works,
	II cycle of study	Soil Geotechnics, Rock Geotechnics, Geotechnical Investigation, Applied Soil Mechanics
Professor	I cycle of study	Mechanics, Soil and Rock Mechanics, Landslides, Earth Structures, Geotechnical works,
	II cycle of study	Soil Geotechnics, Rock Geotechnics, Geotechnical Investigation, Applied Soil Mechanics, Landslides, Geotechnical Structures

Language

Native language

Bosnian

Other languages

English

Russian

	Listen	Talking	Writing
English	very good	very good	very good
Russian	good	good	good

Formal and informal competence

Organization	President of geotechnical Society of Bosnia and Herzegovina Vice-dean of Research
Software competence	ACAD, MS office, FLAC,
Engineering competence	Geotechnical engineering, Civil Engineering, Environmental engineering, Mining Engineering,
Informal competence	Hiking, Speleology