

Academic curriculum vitae



Personal information

First and last name	Sanel Nuhanovic		
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Email/Web	sanel.nuhanovic@untz.ba ; lenas74@yahoo.com		
Citizenship	-----		
Date of birth	05.11.1974.		
Gender	M		

Current job/ position/title

Faculty of Mining, Geology and Civil Engineering/UNO Drilling Exploitation of Mineral Raw Materials/Associate Professor/Doctor of Technical Sciences in Geotechnology

Work experience

Date	19.12.2018.
Position and title	Associate Professor
Basic responsibilities and duties	Preparation and delivery of classes; Organizing and conducting NIR; Holding tests of students' knowledge; Consultations with students; Suggesting improvement and revision of the curriculum; Suggesting topics and mentoring students during the preparation of final papers in the first and second cycle; Participation in the work of commissions; Working with colleagues; Own professional development; Participation in the work of the NNV of the Faculty.
Date	09.03.2011.
Position / occupation / title	Assistant professor
Basic responsibilities and duties	Preparation and execution of classes; Organization and execution of NIR; Holding tests of students' knowledge; Consultations with students; Suggesting improvement and revision of the curriculum; Suggesting topics and mentoring students during the preparation of final papers in the first and second cycle; Participation in the work of commissions; Working with colleagues; Own professional development; Participation in the work of the NNV of the Faculty.
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla
Type of business activity of the employer	Higher education and scientific research work
Date	10.01.2007.
Position / occupation / title	Senior Assistant
Basic responsibilities and duties	Preparation and performance of auditory and laboratory exercises; Helping the teacher in carrying out the scientific-teaching process; Participation in holding exams; Consultations with students; Own professional development; Organizing and conducting NIR; Participation in the work of the Faculty and University.
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla
Type of business activity of the employer	Higher education and scientific research work

Date	01.10.2003.
Position / occupation / title	Associate Assistant
Basic responsibilities and duties	Preparation and performance of auditory and laboratory exercises; Helping the teacher in carrying out the scientific-teaching process; Participation in holding exams; Consultations with students; Own professional development; Organizing and conducting NIR; Participation in the work of the Faculty and University.
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla
Type of business activity of the employer	Higher education and scientific research work

Education and training

Date	1989.
Qualification acquired	Primary education
Field of science and profession, acquired titles and skills	Completed primary school
Name and type of organization	Elementary School "Aleksa Dundić" Lukavac Place
Date	1993.
Qualification acquired	IV degree
Field of science and profession, acquired titles and skills	Electrical Engineering; Lukavac Mixed Secondary School, Electronics Department; Electronics Technician
Name and type of organization	Lukavac Mixed Secondary School
Date	2002.
Qualification acquired	VII degree
Field of science and profession, acquired titles and skills	Geology; Undergraduate studies at the "Geology" department of the RGGF of the University of Tuzla; Graduated engineer in geology
Name and type of organization	University of Tuzla
Date	2006.
Qualification acquired	VIII / 1
Field of science and profession, acquired titles and skills	Geotechnology; Postgraduate study in the field of geotechnology; Master of Technical Sciences in the field geotechnologies
Name and type of organization	University of Tuzla
Date	2010.
Qualification acquired	VIII / 2
Field of science and profession, acquired titles and skills	Geotechnology; Doctor of technical sciences in the field of geotechnology
Name and type of organization	University of Tuzla

Improvement

Date	November 19th – December 21st, 2002.
Qualification acquired	Professional training within the framework of the DAAD project "Environmental Protection"
Field of science and profession, acquired titles and skills	Geology; Soil mechanics; Completed professional training in the field of environmental protection and landfill construction at the Institute of Soil Mechanics of the University of Kaiserslautern, realized within the framework of the DAAD project, in cooperation with the University of Banja Luka, the University of Mostar and the University of Kaiserslautern.
Name and type of organization	Univerzität Kaiserslautern, FR Germany

Date	01.05. – 26.05. 2006.
Qualification acquired	Attended seminar on the topic: "Application of GIS technology in the methodology of mapping mineral deposits"
Field of science and profession, acquired titles and skills	Geology; The use of information technologies in the mapping of mineral deposits; Completed seminar on the use of remote (satellite) detection and GIS systems in mapping mineral deposits
Name and type of organization	General Directorate of Mineral Research and Exploration, Ankara, Turkey, in cooperation with JICA Japan

Scientific works within the framework of formal education

Title of the work	Construction of multipurpose wells in salt deposits, Doctoral dissertation
Institution where the work was produced	University of Tuzla, RGGF Tuzla, UDK: 2010,
Year and place	Tuzla
Short content	The paper considers the possibility of constructing multipurpose wells in salt deposits that, in addition to their exploration and exploitation purposes, could also serve as facilities for storing various materials, from solid to liquid and gaseous, in chambers created by salt leaching (dissolving) and brine exploitation. As one of the basic prerequisites for the performance of this function, the need for the construction of hermetic wells within the reservoir was emphasized, so that neither water during exploitation, nor fluid during its storage would be lost in the space between the installed columns of protective pipes and the walls of the well channel. Programs of mud, sealing and cementation of protective columns in wells that have been built so far within the framework of the "Tetima" rock salt deposit near Tuzla were discussed, previous failures in the technology of their construction were singled out and new solutions, i.e. improvements, were given, which could lead to the achievement of the required hermetic conditions. The use of higher quality protective pipes, more resistant to the effects of aggressive fluids, as well as the revision of the cementation program of the protective pipe columns, by reducing the density of the cement slurry and using the two-stage cementation method, was also proposed, and a different construction of wells was also proposed.
Comment	Dissertation successfully defended on March 26, 2010. year
Title of the work	The influence of pore pressures on the technology of drilling exploration and exploitation wells at the "Tetima" salt deposit in Tuzla, Master's thesis
Institution where the work was produced	University of Tuzla, RGGF Tuzla, UDK: 622.24.08:550.82/.83
Year and place	2006, Tuzla
Short content	Investigative works, which precede the creation of exploratory and exploitation wells, regularly include the determination of the state and development of pore pressures, fracturing pressures and fracture gradients of formations in the deposit or its part. At the Tetima rock salt deposit near Tuzla, no pore pressure analysis has been performed so far. The methods used in this paper provide approximate values of pore pressures, fracturing pressures and fracture gradients. These values are indicative, but they can serve as a good basis for further research and the production of exploration-exploitation wells in the considered part of the deposit. The influence of pore pressures on the construction of the well, on the mud program and the cementation program, on the mechanical speed of drilling and the total investment required for the production of exploration and exploitation wells was analyzed. The results obtained should be applied in the continuation of exploration and exploitation works in the part of the "Tetima" salt deposit - the eastern district, where all exploration and exploitation wells drilled so far are located.
Comment	Master's thesis successfully defended on February 3, 2006. year
Title of the work	Construction of multipurpose wells in salt deposits, Doctoral dissertation
Institution where the work was produced	University of Tuzla, RGGF Tuzla, UDK: 2010,
Year and place	Tuzla
Short content	The average exploitation age of exploitation wells in salt deposits does not have to be tied only to the period of their use as exploitation facilities, but can be extended by creating conditions for the undisturbed storage of various types of solid, liquid or gaseous waste. In addition to the basic geological conditions that the deposit must meet, from a geotechnological point of view, two basic requirements are imposed for possible storage, i.e. multi-purpose use
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wells in salt deposits, namely the tightness of the constructed well channel and the tightness of the chamber made during salt exploitation.

The paper analyzes the concept of hermeticity of the well, that is, the ways in which it can be reached, using the example of the "Tetima" rock salt deposit near Tuzla.

Using data from wells constructed so far within the deposit, each part of the well construction project was separately analyzed, from the mud program, through the well construction, the quality of the casing used, to the cementation program of the installed casing strings.

The paper proposed changes, obtained through analytical calculations, both in the cementation program used until then, and in the well construction, i.e. the installation depth of individual casing columns, and emphasized the use of casing of a different quality, given the presence of aggressive fluids in the reservoir.

The results obtained would contribute to the construction of wells that would not only be used for exploration and exploitation, but would also serve as storage facilities, which would increase their exploitation life from 3-5 years, which is now, to 25-30 years, which would be the case in the case of their multipurpose function.

Comment

Dissertation successfully defended on March 26. in 2010

Selected publications and presentations

Publication name	Indicator of utilization of exploitation reserves of the "Tetima" rock salt deposit
Authors	Tomij, B., Hodžij, A., Nuhanovij, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 26, ISSN 1512-7044, p. 99-119, Tuzla, 2003.
Publication name	Correlation between fracture and working pressure in well exploitation of mineral raw materials
Authors	Tomij, B., Hodžij, A., Nuhanovij, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 25, ISSN 1512-7044, p. 103-108, Tuzla, 2003.
Publication name	Methods for determining the working pressure of gas in underground storage facilities
Authors	Tomij, B., Hodžij, A., Nuhanovij, S.
Publisher, year and place	Professional journal for gas economy and energy "Plin" Zagreb, ISSN 1333-1132, Zagreb, 2004.
Publication name	The lifetime of a sanitary landfill depends on the applied method of treatment of the deposited material materials
Authors	Nuhanovij, S. , Babajij, E.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 27, ISSN 1512-7044, p. 117-122, Tuzla, 2004.
Publication name	Why is oil and gas exploration in Bosnia and Herzegovina still waiting to continue?
Authors	Pjanić, R., Hadžihrustić, Z., Nuhanovij, S.
Publisher, year and place	Collection of abstracts from the 1st consultation of geologists of BiH with international participation, ISBN 9958-9193-0-3, pp. 97-99, Sarajevo - Kladanj, 2004.

Publication name	Methods for calculating the amount of fluid flowing through the chamber-aquifer junction in rock salt deposits
Authors	Tomić, B., Hodžić, A., Nuhanović, S. , Sušić, A.
Publisher, year and place	Proceedings of the RGGF, University of Tuzla, no. 28, ISSN 1512-7044, p. 135-141, Tuzla, 2005.
Publication name	Application of alternative drilling methods at the Tetima mine
Authors	Hadžihrustić, Z., Nuhanović, S. , Mešković, A.
Publisher, year and place	Proceedings of the RGGF, University of Tuzla, no. 28, ISSN 1512-7044, p. 141-145, Tuzla, 2005.
Publication name	Possibility of complex use of thermal mineral water from well SI-1 in Slavinovići near Tuzla
Authors	Hadžihrustić, Z., Ibršimović, Z., Nuhanović, S.
Publisher, year and place	Monograph of the International Conference on Trends in Contemporary Mining "TIMC06", Proceedings of the RGGF of the University of Tuzla, ISSN 1512-7044, p. 23-27, Tuzla, 2006.
Publication name	Breaking of the massif and subsidence of the terrain above the submerged Tušanj salt mine
Authors	Tomic, B., Susic, A., Nuric, A., Nuhanovic, S.
Publisher, year and place	Monograph of the International Conference on Trends in Contemporary Mining "TIMC06", Proceedings of the RGGF of the University of Tuzla, ISSN 1512-7044, p. 44-59, Tuzla, 2006.
Publication name	Tetima rock salt deposit, a storage of liquid and gaseous hydrocarbons – research study summary
Authors	Tomić, B., Sušić, A., Katanić, M., Nuhanović, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 33, ISSN 1512-7044, p. 89-97, Tuzla, 2007.
Publication name	Basic benefits of using salt chambers for gas storage
Authors	Tomić, B., Sušić, A., Katanić, M., Nuhanović, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 33, ISSN 1512-7044, p. 151-163, Tuzla, 2007.
Publication name	Drilling hydraulics with high flow rate flushing fluids
Authors	Hadžihrustić, Z., Nuhanović, S. , Hodžić, A.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 33, ISSN 1512-7044, p. 61-63, Tuzla, 2007.
Publication name	The possibility of applying new methods for the construction of underground chambers - storages
Authors	Tomić, B., Sušić, A., Katanić, M., Nuhanović, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 31, ISSN 1512-7044, p. 97-106, Tuzla, 2007.
Publication name	The influence of borehole pressures on the efficient operation of the chisel
Authors	Hadžihrustić, Z., Mešković, A., Nuhanović, S. , Isaković, H.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 31, ISSN 1512-7044, p. 65-70, Tuzla, 2007.
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Publication name	Final energy consumption forecasts
Authors	Tomij, B., Sušij, A., Katanić, M., Nuhanović, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 33, ISSN 1512-7044, p. 189-194, Tuzla, 2007.
Publication name	Development of the main gas pipeline system
Authors	Hodžij, A., Tomic, B., Sušij, A., Katanić, M., Nuhanović, S.
Publisher, year and place	Proceedings of the RGGF of the University of Tuzla, no. 33, ISSN 1512-7044, p. 195-204, Tuzla, 2007.
Publication name	Problems of sealing leaching wells in the Tetim massif and rehabilitation construction in in case of leakage of the protective pipe column 9 5 /8
Authors	Sabović Almir, Nuhanović Sanel , Hodžij Adnan, Nalić Adnan:
Publisher, year and place	Archive of Technical Sciences Bijeljina, issue 10, pp. 73-78, ISSN 1840-4855, Bijeljina 2014.
Publication name	The influence of pore pressures and fracturing pressures on the construction of boreholes in rock salt deposits "Aunties" in Tuzla
Authors	Nuhanović S. , Hodžij A., Šabović A.
Publisher, year and place	Archive of Technical Sciences Bijeljina, issue 12, pp. 45-50, ISSN 1840-4855, Bijeljina, 2015.
Publication name	Damage to the chisel during the construction of mine boreholes at PK Duboki Potok
Authors	Hodžic A, Nuhanovic S , Brcaninovic M, Muratovic M.
Publisher, year and place	RGGF Gazette, issue 9, year 2021, pp. 72-83, ISSN 2303-5145, Tuzla, 2021.

Recognitions and awards

Name	GOLD PLAQUE OF THE UNIVERSITY OF TUZLA
Institution	University of Tuzla
Reason (reason)	Recognition for success achieved during studies
Short description	Gold plaque awarded on the occasion of the University of Tuzla Day, in recognition of the success achieved during undergraduate studies at the Geology Department of the RGGF, University of Tuzla.
Comment	-

Membership in professional associations

Name of the association	Association of Geologists of Bosnia and Herzegovina
Brief description of the association	The association brings together members of the geological profession from all over Bosnia and Herzegovina.
Address of the association / web reference	Ustanička 11, Ilidža, Sarajevo Member
Position in the association	-
Comment	-

**Participation in teaching
process**

For the current academic year

I cycle of studies:

Exploratory drilling, Drilling and blasting technology, Fundamentals of mining,

Second cycle of studies:

Well design, Optimization of drilling parameters, Unconventional exploitation methods
hydrocarbon

For previous academic years

I cycle of studies:

Exploratory drilling, Drilling and blasting technology, Mining fundamentals, Drilling techniques and technology I
Drilling Technique and Technology II, Well Pressure Control, Rock Processing in Wells

Second cycle of studies:

Well design, Optimization of drilling parameters, Unconventional exploitation methods
hydrocarbon

**Mentoring in the
preparation of master's
and doctoral theses**

1. -Emir Ramiy, Bachelor - mining engineer for borehole exploitation

- Topic name: "Production equipment of eruptive oil wells"
- Topic approved, mentor approved and Commission formed: September 17, 2020. year, by Decision NNV of the RGGF of Tuzla, number: 02/8-4110-1.4.6/20
- Commission report adopted: October 7, 2021, by Decision of the NNV of the RGGF Tuzla, number: 02/8-5248-10-1.1/21
- Topic defended: 29.10.2021. at the RGGF of the University of Tuzla (amphitheatre)

2. Borislav Ayimoviy, B.Sc. in industrial engineering in oil and gas exploitation

- Title of the topic: "Usage of lightened cement slurries in the drilling industry"
- Topic approved, mentor approved and Commission formed: June 1, 2023, by Decision NNV of the RGGF of Tuzla, number: 02/8-3103-1.6.6/23
- Commission report adopted: 07.12.2023., by Decision of the NNV of the RGGF Tuzla, number: 02/8-7078-1-5.4/23
- Topic defended: 23.12.2023. at the RGGF of the University of Tuzla (amphitheatre)

3. Dejan Dejanoviy, B.Sc. in industrial engineering in oil and gas exploitation

- Title of the topic: "The influence of different technologies of carbon dioxide injection on the coefficient of utilization of oil deposits"
- Topic approved, mentor approved and Commission formed: June 1, 2023, by Decision NNV of the RGGF of Tuzla, number: 02/8-3103-1.6.8/23
- Commission report adopted: 07.12.2023., by Decision of the NNV of the RGGF Tuzla, number: 02/8-7078-1-5.3/23
- Topic defended: 23.12.2023. at the RGGF of the University of Tuzla (amphitheatre)

4. yor'ye Vidiy, B.Sc. mining engineer

- Title of the topic: "Exploitation of liquid mineral raw materials using a system of submerged centrifugal pumps"
- Topic approved, mentor approved and Commission formed: 04.05.2023. year, by Decision NNV of the RGGF of Tuzla, number: 02/8-2410-1.4.6/23
- Commission report adopted: 07.03.2024., by Decision of the NNV of the RGGF Tuzla, number: 02/8-1262-1-5.2/24
- Topic defended: 29.03.2024. at the RGGF of the University of Tuzla (amphitheatre)

5. Ivan Gemi, B.Sc. mining engineer

- Title of the topic: "Chemical methods of limiting the flow of water from oil reservoirs into the well"
- Topic approved, mentor approved and Commission formed: 31.08.2023. year, by Decision NNV-a RGGF-a Tuzla, number: 02/8-4400-5.1./23
- Commission report adopted: 06.06.2024., by Decision of the NNV of the RGGF Tuzla, number: 02/8-3180-1-6.2/24
- Topic defended: 07/06/2024. at the RGGF of the University of Tuzla (amphitheatre)

Research projects and studies

Completed projects	Name	Tetima salt deposit – storage of gaseous and liquid hydrocarbons – research study
	Authors	Tomić, B., Sušić, A., Katanić, M., Nuhanović, S.
	Publisher, year and place	"Tušanj" salt mine, Tuzla, 2006.
	Short content	The discrepancy in the consumption of natural gas, in addition to endangering the economy of the system, calls into question the security of supply to consumers. A characteristic example of the discrepancy in gas consumption is urban areas with high consumption in the winter period. Equalization of consumption mismatches can be resolved in the following ways: • reduction and • - compensation. The reduction method of balancing consumption imbalances involves organized management of gas consumption by large industrial consumers, such as: • Exclusion of consumers who have constant consumption or increased consumption in the summer period (beer and brick factories, drying kilns, etc.). • Connecting consumers on an intermittent basis. These consumers would use a replacement in the winter season energy source. • Planned organization of the overhaul of large consumers in order to avoid its overlapping. • Through pricing policy, stimulate consumer organization for balanced gas consumption. The compensatory method of balancing consumption imbalances involves securing additional quantities of gas. Additional quantities of gas are most often provided from storage, and sometimes from accumulation reserves of the transport system, and sometimes also through increased gas production. Gas storage technology is based on increasing the concentration of gas in a unit volume, which is achieved by pressurizing, lowering the temperature, converting the gas into hydrate and dissolving it in propane. Gas storages can be underground, above ground and underground above ground. Today, underground gas storage accounts for 90% of total storage capacity worldwide. By storing oil in underground chambers, market fluctuations are avoided, strategic supplies are secured and significant economic benefits are achieved. For one-time storage (solid substances and inert waste), those chambers that do not meet the technical requirements for gas and oil storage should be used. The economic effects of using underground chambers in salt to store various substances are far greater than the economic effects achieved only by the production of salt water. Even with the current state of processing capacities for the production of salt, soda and chlorine, as well as reduced production (the market), they cannot cover all the costs of salt water production.
	Comment	Research study (research team member)

Completed projects	Name	A study on the possibilities of increasing the degree of stability of the massif in the zone of the submerged underground salt mine "Tušanj" in Tuzla
	Authors	Tomij,B., Sušij,A., Bijedij,DŽ., Nuhanović, S. , Hodžij,A., Kapidžij,E., Talić,H., Ibrišimović,Z., Mišević,S., Mujkić,N., Mehanović,S., Adilović,N., Salman,Z., Bakalović,K., Avdić,M.,
	Publisher, year and place	"Tušanj" salt mine, Tuzla, 2007.
	Short content	The rock salt deposit in Tuzla, although relatively small in size, has a long and problematic history of exploitation. The basic and oldest form of exploitation of salt from the deposit consists of the use of groundwater, which naturally nourishes the deposit, dissolves easily soluble rock salt and creates saturated brine, which is pumped to the surface through shallow wells at the beginning of exploitation, and later deep wells. This form of exploitation, due to the dissolution of salt, leads to an uncontrolled creation of mass deficit in the deposit in space and time, which results in very complex processes of degradation of the deposit mass. Mass deficits in salt deposits created by salt dissolution lead to subsidence of the ceiling deposits and changes in the primary state and properties of the massif. In this way, in the zones of karstification of salt deposits, due to the dissolution of salts, geologically new environments are created, the characteristics of which influence changes in the underlying deposits. These complex processes on the deposit started long before the beginning of the artificial exploitation of the brine and had the characteristics of light natural processes. With the artificial exploitation of the brine, they were only accelerated and took on the characteristics of effective processes with visible consequences on the surface of the terrain. On the realized volume of dissolved salt, the accelerated subsidence processes affected a large part of the massif on the deposit, endangering not only the urban part of the city above the deposit, but also the Tušanj underground mine, which had been submerged in the meantime. According to the Project Terms of Reference, the subject of this Study is to define as reliably as possible the condition and properties of the massif in the zone of the sunken mine, with the aim of creating a Technical Project for the stability of the Tušanj sunken mine. On the basis of the Project Task for the assessment of the stability of the submerged mine, the results of previous research and data on the sinking of the mine, the filling of shafts, the measurement of the underground water level (RPV) and the measurement of the surface settlement of the terrain, etc., were used. Due to numerous problems that accompanied the implementation of the mine sinking and the filling of the shafts with solid backfill, certain types of necessary tests were not performed during this period, so the collected data on the condition and properties of the rock mass in the mine zone is significantly poorer than necessary. On the other hand, the aforementioned processes of massif degradation due to salt dissolution, which also affected the mine zone, are very complex, so that the changes in the state and properties of the deposit massif are multiple and extremely complex. Bearing in mind that the original geological structure of the reservoir is also very complex, it can be said that the study of the state and properties of the massif of the reservoir within disturbed zones is, from a research point of view, the most complex problem that can arise in engineering practice. In practice, the condition and properties of these environments cannot be rationally studied solely on the basis of data from previous research, but it is also necessary to know the nature and laws of the degradation processes themselves, both at the level of the entire deposit and in the volume of the submerged mine. In previous research, the nature and laws of these processes in the deposit have not been studied, or this has been done in a rather simplified and, from the point of view of the available data, largely unconvincing manner. For this reason, the available data fund is most likely quite poor, and their archival organization is not at the required level. All of this influenced the modification of the content and the increase in the scope of this Study. Within the framework of this Study, an attempt has been made to define the nature and regularity of these processes for the achieved extent of karstification of the salt formation in the mine zone and changes in the submerged mine, based on the available data. The conclusions drawn about the development of the salt formation karstification process in the mine zone and changes in the submerged mine are at the level of the available data base presented in the Study, and their reliability is directly dependent on the reality of the presented interpretation of the geological structure and within the framework of the performed reinterpretation of data on the conditions and relationships in the deposit and mine. The conclusions are fully consistent with the results of the research conducted in the mine area, which made it possible to define, based on existing data, the development and scope of changes and the possibilities for improving stability in the submerged mine.
	Comment	Scientific-research study (member of the Scientific-research team-external associate)
Ongoing projects	-	
Planned projects (expected, in preparation)	-	Rehabilitation of the SI-1 geothermal well in Slavinovići (a response from the Ministry of Health Slavinovići is awaited), - Continuation of oil exploration work in the area of northern Bosnia (the attitude of the Government of Bosnia and Herzegovina is awaited).

"Basics of hydrocarbon exploitation"

Hodžiŷ, A., Nuhanoviŷ, S., Boškoviŷ, Z., Gutiŷ, K.

University of Tuzla, RGGF Tuzla, Copygraf Tuzla, (ISBN 978-9926-401-02-3; COBISS. BH-ID 22702598), Tuzla, 2016.

Bosnian

Mother tongue

Other languages

Reading		Speech		Writing
Listening	Comprehension	Speech interaction	Speech	

English language

4 Above average	4 Above average	4 Above average	4 Above average	3	Medium
3 Above elementary	4 Above middle	2	Basic	3	Basic

Russian

Competences for scientific management
research and teaching in higher
education

Doctor of Technical Sciences in the field of geotechnology and work experience as an assistant (from 01.10. 2003. - 10.01. 2007.) and senior assistant (from 10.01. 2007. - today).

Competencies for participation in scientific research projects

Doctor of technical sciences in the field of geotechnology, with experience in making studies and projects acquired as a member of researchers and scientific research teams.

Scientific research interest
(occupation) and current training

Member of scientific-research teams and teams on the implementation of various projects related to the narrower scientific field in which he works.

Planned training

Stay abroad with the aim of professional and scientific training in the field of geotechnology.

Social skills and competencies

Propensity for teamwork, expressed through work with students and projects that are implemented in cooperation with other faculties and universities in BiH and abroad.

Organizational skills and competencies

The propensity to organize is shown by his long-term participation in the organization of classes at his home faculty, as well as in other jobs related to classes and student affairs.

Technical skills and competencies

He possesses all the necessary technical skills, which have been used extensively in the teaching process and extracurricular activities over time, which can be confirmed by the technical editing of the textbook "Exploratory Drilling I".

Computer skills and competencies

Knowledge of a large number of computer applications and programs. Active use of all applications from the Microsoft Office suite.

Artistic skills and competencies

Writing poetry, singing, dancing. In elementary school he was a prominent member of the drama club.

Other skills and competencies

Communicativeness, openness, patience, calculation

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

Tuzla, 05.06.2025.

Dr. Sanel Nuhanoviç, Assoc. Prof.

