

Academic curriculum vitae



Personal information

First and last name	OMER MUSIĆ
Addresses	Institutions: University in Tuzli , Mining - Geological - Civil Engineering faculty Tuzla (RGGF) Urfeta Vejzagića. 75000 Tuzla , Bosnia and Herzegovina Home: Dubrave Gornje 155, Živinice, BiH
Phones	+387 35 320 580, +387 35 320 575
Fax	+387 35 320 570
Email/Web	omer.music@untz.ba
Citizenship	Bosnia and Herzegovina
Date of birth	14.05.1963.
Gender	Male
Current workplace/position/title	Full professor for the narrower scientific field of Underground Exploitation of Mineral Raw Materials at the Faculty of Mining, Geology and Civil Engineering in Tuzla

Work experience

Dates	2022
	Full professor for the narrow scientific field of Underground exploitation of mineral raw materials
Dates	2012 - 2022
	Associate Professor for the narrower scientific field of Underground Exploitation of Mineral Raw Materials
Dates	2005 – 2012
Position / occupation / title	Assistant Professor for the narrower scientific field of Mining Exploitation of Mineral Raw Materials at the Faculty of Mining, Geology and Civil Engineering in Tuzla
Basic responsibilities and duties	Teaching, consulting with students, working with associates, mentoring students in the preparation of diploma, master's and doctoral theses, improving the curriculum, organizing and conducting scientific research work
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Type of business activity of the employer	Student education; Scientific research work
Dates	2000 – 2005

Position / occupation / title	Senior Assistant for the narrower scientific field of Underground Exploitation of Mineral Raw Materials at the Department of Mining and Well Exploitation of Mineral Raw Materials
Basic responsibilities and duties	Conducting exercises, consulting with students, organizing and conducting scientific research work
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Type of business activity of the employer	Student education; Scientific research work
Dates	1997 – 2000
Position / occupation / title	Assistant for subjects: Underground mining methods of layered deposits, Underground mine design, Mining Department
Basic responsibilities and duties	Conducting exercises, consulting with students, organizing and conducting scientific research work
Employer name	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Type of business activity of the employer	Student education; Scientific research work
Dates	1994 – 1997
Position / occupation / title	Technological process engineer, Head of the occupational health and safety department
Basic responsibilities and duties	Participation and management of the technological process in coal production
Employer name	"Tuzla" coal mines, RMU Đurđevik in Đurđevik
Type of business activity of the employer	Coal exploration and exploitation
Dates	20.08.1994. – 12.11.1994.
Position / occupation / title	Assistant for the subject Methods of underground exploitation of stratified deposits, Mining Department
Basic responsibilities and duties	Conducting exercises, consulting with students, organizing and conducting scientific research work
Employer name	University of Tuzla, Faculty of Mining and Geology
Type of business activity of the employer	Student education; Scientific research work
Dates	1993 – 1994
Position / occupation / title	Employment agency manager
Basic responsibilities and duties	Organizational leadership
Employer name	Employment Agency Tuzla, Živinice Bureau
Type of business activity of the employer	Unemployment registration and employment
Dates	01.06.1991. – 31.12.1991.
Position / occupation / title	Intern
Basic responsibilities and duties	Monitoring and involvement in the technological process of mineral raw materials research
Employer name	Tito's Coal Mines in Tuzla, DD "Geobušenje" Tuzla
Type of business activity of the employer	Exploration of mineral raw materials

Education and training

Dates	1978.
Qualification acquired	Primary education

Field of science and profession, acquired titles and skills Primary education

Name and type of organization Elementary school "Mitar Trifunović-Učo" in Dubrava

Dates 1982.

Qualification acquired Construction technician

Field of science and profession, acquired titles and skills Medium education , IV-degree – Construction technician ,

Name and type of organization Construction school center, Tuzla

Dates 1989.

Qualification acquired Graduated Mining Engineer – VII degree

Field of science and profession, acquired titles and skills Mining - exploitation direction

Name and type of organization University of Tuzla, Faculty of Mining and Geology, Tuzla

Dates 2000

Qualification acquired Master of Technical Sciences in Mining – VIII/1 level

Field of science and profession, acquired titles and skills Mining – Senior Assistant

Name and type of organization University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla

Dates 2005

Qualification acquired Doctor of Technical Sciences in the Field of Mining – VIII/2 degree

Field of science and profession, acquired titles and skills Mining – Assistant Professor

Name and type of organization University of Tuzla, Faculty of Mining, Geology and Civil Engineering, Tuzla

Dates 1997.

Qualification acquired Certificate of passing the professional exam for performing technical management tasks in the field of mining

Field of science and profession, acquired titles and skills Mining - technological process management

Name and type of organization Bosnia and Herzegovina, Federation of Bosnia and Herzegovina, Federal Ministry of Energy, Mining and Industry.

Dates 1999.

Qualification acquired Certificate of postgraduate training

Field of science and profession, acquired titles and skills Mining – Program and education in underground exploitation of coal, metallic and non-metallic deposits.

Name and type of organization University of Ljubljana, Faculty of Natural Sciences, Ljubljana.

Dates 2000.

Qualification acquired Certificate of postgraduate training

Field of science and profession, acquired titles and skills Tempus Phare Joint European Project: AC-JEP-14377-1999. until 2001 Program and education in the field of soil ecology and Course "Deutsch als Fremdsprache".

Name and type of organization University of Kaiserslautern

Dates 2007.

Qualification acquired	Certificate of suitability for design and audit of mining projects
Field of science and profession, acquired titles and skills	Mining – design and review of all types of projects, studies and reports.
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering in Tuzla
Dates	2011.
Qualification acquired	Certify at The XIV Balkan mineral processing congress
Field of science and profession, acquired titles and skills	Mining–mineral processing
Name and type of organization	University of Tuzla, Faculty of mining, geology and civil engineering in Tuzla and Faculty of mining in Prijedor
Dates	2011.
Qualification acquired	Certificate of participation at the 16th International Summer University, Tuzla 2011.
Field of science and profession, acquired titles and skills	Regional experiences in the accreditation of study programs and laboratories; implementation of technical engineering solutions
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering in Tuzla
Dates	2017
Qualification acquired	Certificate of participation at the 25th ^{International} Mining Congress and Exhibition of Turkey
Field of science and profession, acquired titles and skills	
Name and surname of the organization	IMCET 2017

Scientific papers in within the framework of formal education

Title of work	O. Musić : Highly productive chamber coal mining with backfilling of old workings. Proceedings of the RGGF. ISSN 1512-7044, number XXII/1, pp. 95-100. Tuzla, year 2000.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2000 years, Tuzla
Title of work	O. Musić , S. Slijepčević, M. Osmić.: Cost analysis for highly productive chamber coal mining. Scientific and professional journal Rudarstvo. Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, number 19-20, pp. 93-97, Tuzla 2000.
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2000 years, Tuzla
Title of work	M. Memić, Z. Karadžin, O. Musić .: Analytical determination of the geometry of the Krekan chamber method. Scientific and professional journal Rudarstvo. Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, number 19-20, pp. 43-55, Tuzla 2000.

The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2000 years, Tuzla
Title of work	Z. Karadžin, M. Memić, O. Musić .: Design of a rigid circular metal frame support Scientific and professional journal Mining, Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, issue 19-20, pp. 99-109, Tuzla 2000.
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2000 years, Tuzla
Title of work	O. Musić , S. Ahmetovic, S. Slijepčević.: Dynamics of excavation field preparation. Scientific and professional journal Mining, Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, issue 21-22, pp. 37-40, Tuzla 2001 .
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2001, Tuzla
Title of work	M. Memić, O. Musić , S. Slijepčević.: Defining underground pressures using the circle method. Scientific and professional journal Mining, Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, issue 21-22, pp. 67-71, Tuzla 2001.
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2001, Tuzla
Title of work	L. Husejnagić, M. Memić, O. Musić , S. Slijepčević.: Securing an underground room with an anchor support. Scientific and professional journal Mining, Mining Institute-Tuzla, ISSN 0353-9172 UDC 622, issue 21-22, pp. 17-28, Tuzla 2001.
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2001, Tuzla
Title of work	S. Slijepčević, M. Osmić, O. Musić .: Coal extraction with a wide face in the area of the natural mining limit. Proceedings of the RGGF. ISSN 1512-7044, number XXIII, p. 131-132, Tuzla 2001.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2001, Tuzla
Title of work	S. Slijepčević, M. Osmić, O. Musić .: Extraction of coal reserves with a wide face through a fault zone. Proceedings of the RGGF. ISSN 1512-7044, number XXIII, pp. 133-134, Tuzla 2001.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2001, Tuzla
Title of work	M. Memić, O. Musić , Z. Karadžin.: Preservation and improvement of rock properties using the expansion anchor «TUZBIH». Proceedings, VI Thematic session, Mining Infrastructure European Conference on Natural Building Materials and Coal: New Perspectives, ECRBM: 04.. Sarajevo.
The institution where the paper was prepared	European Conference on Natural Building Materials and Coal: New Perspectives, ECRBM: 04.. Sarajevo.
Year and place	2004, Sarajevo
Title of work	M. Memić, O. Musić , Z. Karadžin.: Research on the impact of deposited masses on the PK "Stupnica" on the underground rooms of the pit. Scientific and professional journal Mining, Mining Institute-Tuzla. ISSN 0353-9172 UDC 622, issue 29-32, pp. 27-37, Tuzla 2003 .

The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2004, Tuzla
Title of work	O. Musić , M. Osmić, S. Slijepčević.: Closed ecological-technological cycle for the mine-thermal power plant system. Proceedings of the RGGF. ISSN 1512-7044, number XXVIII, p. 41-43, Tuzla 2005.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2005, Tuzla
Title of work	M. Osmić, S. Slijepčević, O. Musić .: Application of multi-attribute decision-making methods in the selection of excavation technology in underground mining. Proceedings of the RGGF. ISSN 1512-7044, No. XXIX/II, pp. 33-37, Tuzla 2005.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2005, Tuzla
Title of work	S. Salihović, O. Musić , V. Selimbašić.: Research on the parameters of overburden materials from the open pit mine "Kreka" for the recultivation of the boiler slag dump "Divkovići" near Tuzla. Proceedings of the RGGF. ISSN 1512-7044, issue XXXI, pp. 51-57, Tuzla 2006.
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering in Tuzla
Year and place	2006, Tuzla
Title of work	O. Musić , R. Vugdalić, S. Rešić,; The model of coal production inventory management. 1 International Symposium "MINING 2010", pp. 52 – 60. Tara, Serbia, 2010.
The institution where the paper was prepared	1 International Symposium "MINING 2010".
Year and place	2010, Tara, Serbia
Title of work	O. Musić , Š. Sarajlić, H. Čičkušić,; The impact of complex mining-geological factors on the choice of methods of digging for "Djurdjevik" burrow block 75. 1 International Symposium "MINING 2010", p. 270 – 277. Tara, Serbia, 2010.
The institution where the paper was prepared	1 International Symposium "MINING 2010".
Year and place	2010, Tara, Serbia
Title of work	O. Musić , H. Čičkušić Š. Sarajlić,; Optimal parameters of chamber excavation with flow ventilation on the example of the lignite mine "Bukinje". 2 International Symposium "MINING 2011", pp. 274 – 283. Vrnjačka Banja, Serbia, 2011.
The institution where the paper was prepared	2 International Symposium "MINING 2011".
Year and place	2011, Vrnjacka Banja, Serbia
Title of work	O. Musić , J. Kortnik, H. Čičkušić Š. Sarajlić,; Orientation and method of securing the connecting overburden during the passage of a mechanized wide face in the "Mramor" mine. 2 International Symposium "MINING 2011", pp. 604 – 613. Vrnjačka Banja, Serbia, 2011.
The institution where the paper was prepared	2 International Symposium "MINING 2011".
Year and place	2011, Vrnjacka Banja, Serbia

Title of work	S. Krstić, M. Mikić, M. Ljubojev, O. Musić , V. Jovičić.:J;; Conditions of drainage of flotation tailing of Veliki Krivelj. 43 rd International October Conference on Mining and Metallurgy 2011, pp.228-231. Kladovo, Serbia 2011.
The institution where the paper was prepared	43rd International October Conference on Mining and Metallurgy
Year and place	2011, Kladovo, Serbia
Title of work	O. Musić , K. Gutić. H. Čičkušić,; Closure of the "Bukinje" lignite mine. 3 International Symposium "MINING 2012", pp. 231-237 Zlatibor, Serbia, 2012
The institution where the paper was prepared	3 International Symposium "MINING 2012"
Year and place	2012, Zlatibor, Serbia
Title of work	O. Musić , K. Gutić, D. Osmanović; "Defining the Coal Layer (Block 61) Model in Brown Coal Mine Đurđevik, BiH." PROCEEDINGS OF THE 23 RD INTERNATIONAL MINING CONGRESS OF TURKEY. p. 1589-1595 IMCET 2013 April 16-19, /ANTALYA/TURKEY/.
The institution where the paper was prepared	23 th INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2013.
Year and place	2013, ANTALYA. TURKEY
Title of work	Sh. Sarajlić, O. Musić , M. Taletović,; "Improvement and modernization of chamber mining in the Đurđevik Pit-RMU Đurđevik". 4 SYMPOSIUM with international participation "MINING 2013", PLANS FOR DEVELOPMENT AND IMPROVEMENT OF MINING, pp.347-356 Srebreno Jezero, Serbia, 2013
The institution where the paper was prepared	4 International Symposium "MINING 2013"
Year and place	2013 , Srebreno jezero, Serbia
Title of work	Sh. Sarajlić, O. Musić , M. Taletović,; Approach to strategic development of underground mining in RMU "Đurđevik". 5th International Symposium "MINING 2014", pp. 33-42 Vrnjačka Banja, Serbia, 2014
The institution where the paper was prepared	5 International Symposium "MINING 2014"
Year and place	2014, Vrnjacka Banja, Serbia
Title of work	O. Musić , H. Čičkušić, K. Gutić.; Dimensioning of the MŠČ excavation for the purpose of utilizing the coal seam in the Kreka - Mramor lignite mine. 5 International Symposium "MINING 2014", pp. 130-137. Vrnjačka Banja, Serbia, 2014
The institution where the paper was prepared	5 International Symposium "MINING 2014"
Year and place	2014, Vrnjacka Banja, Serbia

Title of work	H. Čičkušić., O. Musić ., K. Gutić.; MODELS OF SELECTION THE EXCAVATION MACHINES FOR THE COAL EXPLOITATION IN THE LIGNITE MINE „MRAMOR“ TUZLA , 6 International Symposium "MINING" 2015, pp. 86 – 100, Borsko jezero, Serbia 2015
The institution where the paper was prepared	6 International Symposium "MINING" 2015
Year and place	2015, Bor Lake, Serbia
Title of work	Š. Sarajlić., J. Korski., O. Musić ., K. Gutić.; Overview and analysis of narrow frontal excavation methods for the conditions of the new pit "Višća" RMU "Đurđevik" / OVERVIEW AND ANALYSIS NARROW FRONTAL METHODS EXCAVATION FOR THE TERMS OF THE NEW PIT "VISCA" RMU "DJURDJEVIK". 6 International Symposium "MINING" 2015, pp. 183 – 198, Borsko jezero, Serbia 2015.
The institution where the paper was prepared	6 International Symposium "MINING" 2015
Year and place	2015, Bor Lake, Serbia
Title of work	Š. Sarajlić., O. Musić ., H. Čičkušić.; Investments as a guarantee of the future and development of the RMU "Đurđevik". INVESTMENTS AS A GUARANTEE FUTURE AND DEVELOPMENT OF THE MINE "DJURDJEVIK".7 International Symposium "MINING" 2016, pp. 35 – 47, Sremski Karlovci, Serbia 2016.
The institution where the paper was prepared	7 International Symposium "MINING" 2016
Year and place	2016, Sremski Karlovci, Serbia
Title of work	O. Musić , H. Čičkušić, Š. Sarajlić, D. Osmanović.; Model and method of mining deposits in the mine "Mramor" RL "Kreka" Tuzla./ MODEL AND METHOD OF MINING DEPOSITS IN "MRAMOR LIGNITE MINES "KREKA" TUZLA. 7 International Symposium "MINING" 2016, pp. 122 – 137, Sremski Karlovci, Serbia 2016.
The institution where the paper was prepared	7 International Symposium "MINING" 2016
Year and place	2016, Sremski Karlovci, Serbia
Title of work	M. Klopčić, O. Musić , A. Halilčević.; Techno-economic justification for introducing a machine for making mine rooms in the mine "Underground exploitation" RMU "Banovići" dd Banovići. / TEHNO-ECONOMIC JUSTIFICATION FOR INTRODUCING A ROADHEADER IN PREPARING MINING ROOMS IN MINE "UNDERGROUND EXPLOITATION" RMU "BANOVİĆI" dd BANOVİĆI. Scientific and professional journal Rudarstvo, year XX-XXI. Mining Institute-Tuzla. ISSN 0353-9172 UDC 622, number 61-62, pp. 9-16, Tuzla 2015.-2016. year .
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2016, Tuzla
Title of work	M. Klopčić, O. Musić , A. Halilčević.; Research on the performance of roadheaders for the construction of mine rooms in the conditions of the regular environment of the mine pit "Underground exploitation" RMU "Banovići" dd Banovići. / RESEARCH THE PERFORMANCE OF ROADHEADERS IN THE TERMS OF WORK CONTIDIONS IN THE MINE "UNDERGROUND EXPLOITATION" RMU "BANOVİĆI" dd BANOVİĆI. Scientific and professional journal Rudarstvo, year XX-XXI. Mining Institute-Tuzla. ISSN 0353-9172 UDC 622, number 61-62, pp. 17-22, Tuzla 2015.-2016. year .
The institution where the paper was prepared	Mining Institute Tuzla
Year and place	2016, Tuzla
Title of work	Š. Sarajlić, O. Musić , H. Čičkušić, M. Taletović.; Excavation of the protective pillar of the village Živčići pit "Đurđevik", RMU "Đurđevik". / EXCAVATION OF THE PROTECTIVE PILLARS OF VILLAGE ŽIVČIĆI OF THE PIT "ĐURĐEVİK" RMU "ĐURĐEVİK". 8 International Symposium "MINING" 2017, pp. 218 – 229, Palić, Serbia 2017.
The institution where the paper was prepared	8 International Symposium "MINING" 2017.
Year and place	2017, Palić, Serbia

The institution where the paper was prepared	O. Music , H. Čičkušić, R. Vugdalić; FUNCTIONAL DEPENDENCE OF THE MOVING FORWARD DYNAMICS AND PRODUCTION OF THE LONG WALL AT THE EXAMPLE OF LIGNITE IN THE COAL MINE "KREKA" BOSNIA AND HERZEGOVINA. NEW TRENDS IN MINING, Proceedings of the 25 th International Mining Congress of Turkey. Pg. 528-533 IMCET 2017 April 11-14, /ANTALYA/TURKEY/.
Year and place	25 RD INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2017.
Title of work	2017, ANTALYA. TURKEY
The institution where the paper was prepared	O. Music , K. Gutić, D. Osmanović, Š. Sarajlić, A. Bruljić.; APPLICATION OF GEOSTATISTICAL METHODS IN MODELING COAL RESOURCES. Proceedings of 25 RD International Mining Congress of Turkey. Pg. 548-552 IMCET 2017 April 11-14, /ANTALYA/TURKEY/.
Year and place	25 th INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2017.
Title of work	2017, ANTALYA. TURKEY
The institution where the paper was prepared	M. Šljivić Husejnović, M. Bergant, S. Janković, S. Zizek, A. Smajlović, A. Softić, O. Music & B. Antonijević; Assessment of Pb, Cd and Hg soil contamination and its potential to cause cytotoxic and genotoxic effects in human cell lines (CaCo-2 and HaCaT). Environmental Geochemistry and Health, Official Journal of the Society for Environmental Geochemistry and Health; ISSN 0269-4042, Volume 40, Number 4; Environ Geochem Health (2018) 40:1557-1572, DOI 10.1007/s10653-018-0071-6
Year and place	Environmental Geochemistry and Health, Official Journal of the Society for Environmental Geochemistry and Health
Title of work	January 2018
The institution where the paper was prepared	Z. Gligorić, S. Štrbac Savić, A. Grujić, M. Negovanović, O. Music ; Short-Term Electricity Price Forecasting Model Using Interval-Valued Autoregressive Process; Energies (/journal/energies) EISSN 1996-1073/11/7/1911, Published by MDPI AG, Basel Switzerland, IMPACT FACTOR 2,676, Volume 11, July 2018.
Year and place	Energies (/journal/energies) EISSN 1996-1073/11/7/1911, Published by MDPI AG, Basel Switzerland July 2018, Basel Switzerland
Title of work	H. Čičkušić, O. Musić , E. Suljendić INVESTMENT DEVELOPING PROGRAM OF MINING COMPANY "KREKA"-TUZLA OPENING OF THE UNDERLYING COAL SEAM IN "MRAMOR" MINE; 9th Symposium with international participation, p. 84–90, Vrnjačka Banja, Serbia 2018.
The institution where the paper was prepared	9th Symposium with international participation, "MINIG 2018"
Year and place	2018, Vrnjacka Banja, Serbia
Title of work	Š. Sarajlić, O. Musić , K. Gutić, H. Čičkušić, Dž. Dostović; TECHNOLOGICAL ASPECTS FILLING THE CAVITIES UNDERGROUND SPACE; 10st Symposium with international participation, pp. 66–83, Bor, Serbia 2019.
Institution where the work was produced	10th Symposium with international participation, "MINIG 2019"
Year and place	2019, Bor, Serbia
Title of work	O. Musić , Dž. Dostović, K. Gutić, H. Čičkušić, Š. Sarajlić; WORKING TECHNOLOGY OF LONGWALL EQUIPMENT IN VARIABLE DIMENSIONS OF EXCAVATION PANEL; Proceedings of the 26 th

International Mining Congress and Exhibition of Turkey. Pg. 672-683 IMCET 2019 April 16-19, BELEK-ANTALYA, TURKEY.	
The institution where the paper was prepared	26 th INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2019
Year and place	2019 year, BELEK-ANTALYA, TURKEY
Title of work	O. Musić , K. Gutić, H. Čičkušić, E. Sejrančić; CONSTRUCTION OF PREPARATORY UNDERGROUND FACILITIES WITH COMBINE IN SPECIFIC MINERAL-GEOLOGICAL CONDITIONS OF COAL MINE "MRAMOR", Proceedings of 26 th International Mining Congress and Exhibition of Turkey. Pg. 305-316 IMCET 2019 April 16-19, BELEK-ANTALYA, TURKEY. 26 th INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2019 2019 year, BELEK-ANTALYA, TURKEY
The institution where the paper was prepared	H. Čičkušić, O. Musić , K. Herco; INFLUENCE OF MINING-GEOLOGICAL FACTORS ON THE CHOICE OF COAL SEAM EXCAVATION MODELS BY COMPLEX MECHANIZATION; 11th Symposium with international participation, pp. 175–183, Vrnjačka Banja, Serbia 2020.
Year and place	11th Symposium with international participation, "MINIG 2020"
Title of work	2020, Vrnjacka Banja, Serbia
The institution where the paper was prepared	
Year and place	Musić. O , Herco. K , Čičkušić. H; TECHNO - ECONOMIC ANALYSIS OF THE RELOCATION OF A COMPLEX MECHANIZED WIDE CUT IN THE "BREZA" Mining and Energy Complex, 12th Symposium with international participation–Sustainable development in mining and energy, pp. 122–138, Vrnjačka Banja, Serbia 2021.
Title of work	12th Symposium with international participation, "MINIG 2021"
The institution where the paper was prepared	2021, Vrnjacka Banja, Serbia
Year and place	Musić O , Gutić K., Čičkušić H.; MINE CLOSURE OF NORTHERN SYNCLINE "KREKA" AND FORMATION INCUBATION CENTERS. Proceedings of the 28th International Mining Congress and Exhibition of Turkey. Pg. 710-719 IMCET 2023 October 28 – December 1, ANTALYA, TURKEY 28 th INTERNATIONAL MINING CONGRESS OF TURKEY, IMCET 2023 2023 year, ANTALYA, TURKEY
Title of work	Sarajlic Š, Musić O . MECHANIZED COAL EXCAVATION IN THE "BREZJE" PIT OF RMU "ĐURĐEVİK". Gazette of the Faculty of Mining, Geology and Civil Engineering), number 12 of 2024, ISSN 2303-5145 (Print), ISSN 2303-5145 (Online), DOI 10.51558/2303–5161, 2024.12.12.65,
The institution where the paper was prepared	Faculty of Mining, Geology and Civil Engineering, Tuzla
Year and place	2024, Tuzla
Title of work	"Uskočelne metodi od zapravanja stratigrafija", book ISBN 978-9958-9067-6-3, COBISS.BIH-ID 18494726
The institution where the paper was prepared	
Year and place	O. Music
Title of work	

The institution where the paper was prepared

Year and place

Publication name

Authors

Publisher, year and place " Copygraf", 2010, Tuzla

Publication name "Mechanized wide-faced mining of coal deposits", book ISBN 978-9958-31-496-4; COBISS.BH-ID 46202630

Authors **O. Music** , H. Čičkušić

Publisher, year and place "OFF-SET", 2021, Tuzla

Publication name "FUNDAMENTALS OF MINING - Underground exploitation of mineral raw materials", university textbook ISBN 978-9926-8655-0-4; COBISS.BH-ID 47519750

Authors **O. Music**

Publisher, year and place " Mit-Alex " doo Tuzla , 2022, Tuzla

Selected projects and presentations

Name Technical project – Protection against flammability and explosivity of coal dust in the separation of the Banovići Mine,

Authors H. Uljić, **O. Music**.

Publisher, year and place Faculty of Mining and Geology, 1994, Tuzla

Name Supplementary mining project Chamber method of excavation of steep coal seam using short and deep mine boreholes in the pit "II roof layer" district "West" III horizon of the "Bukinje" mine.

Authors S. Slijepčević, M. Osmić, **O. Music** .

Publisher, year and place Faculty of Mining and Geology, 2002, Tuzla

Name Amendments and supplements to the Supplementary Mining Project Chamber method of excavation of steep coal seam using deep mine boreholes and discontinuous filling in methane conditions – pit II roof layer "West" of the "Bukinje" Mine III horizon – amendments to the existing excavation method (trial technology).

Authors S. Slijepčević, M. Osmić, **O. Music** .

Publisher, year and place Faculty of Mining and Geology, 2002, Tuzla

Name The main mining project for the exploitation of natural mineral water « Tuzlanski kiseljak Mg++ », Ljubače locality near Tuzla (EB-1/IEB-1),

Authors **O. Music** .

Publisher, year and place Faculty of Mining, Geology and Civil Engineering, 2003, Tuzla

Name The main mining project for the exploitation of natural mineral water « Tuzlanski kiseljak Mg++ », Kiseljak locality near Tuzla (BK-1),

Authors **O. Music** .

Publisher, year and place Faculty of Mining, Geology and Civil Engineering, 2003, Tuzla

Membership in professional associations

Name of the association	Association of Innovators in Bosnia and Herzegovina
Brief description of the association	Organization of fairs (domestic and international), publication of professional literature, cooperation with related associations abroad, etc.
Association address / web reference	AlBIH/Ulica Avde Hume 21/71000 Sarajevo
Position in the association	Member
Comment	

Participation in the teaching process

As an assistant	Methods of underground exploitation of layered deposits. Underground mine design Faculty of Mining and Geology in Tuzla.
As a senior assistant	Methods of underground exploitation of layered deposits. Underground mine design. Methods of underground exploitation of non-layered deposits. Narrow scientific area "Underground exploitation of mineral raw materials". Production systems - Narrow scientific area "Safety and assistance"; Faculty of Mining, Geology and Civil Engineering in Tuzla
As an assistant professor	Organization of work and management processes in mining. Methods of underground exploitation of layered deposits. Methods of underground exploitation of non-layered deposits. Fundamentals of deposit exploitation. Design of underground mines. Fundamentals of surface and underground exploitation of mineral raw materials. Management of mining processes. Mine liquidation - Narrow scientific field "Mining exploitation of mineral raw materials; Rescue services - Narrow scientific field "Safety and assistance"; Faculty of Mining, Geology and Civil Engineering in Tuzla.
With the title of associate professor	Underground exploitation of layered deposits. Underground exploitation of non-layered deposits. Design of underground mines. Fundamentals of mining. Fundamentals of surface and underground exploitation of mineral raw materials. Mine closure and reclamation. Mine reconstruction. Excavation of protective pillars. Mechanization in mining and geotechnics – Narrow scientific field "Underground exploitation of mineral raw materials; Rescue services, Mechanization in mining and geotechnics – Narrow scientific field "Safety and assistance"; Faculty of Mining, Geology and Civil Engineering in Tuzla.
As a full professor	Underground exploitation of layered deposits. Underground exploitation of non-layered deposits. Design of underground mines. Fundamentals of mining. Fundamentals of surface and underground exploitation of mineral raw materials. Mine closure and reclamation. Mine reconstruction. Excavation of protective pillars. Mechanization in mining and geotechnics – Narrow scientific field "Underground exploitation of mineral raw materials; Rescue services, Mechanization in mining and geotechnics – Narrow scientific field "Safety and assistance"; Faculty of Mining, Geology and Civil Engineering in Tuzla
Other	<p>The second cycle of studies in the field of "Mining", the narrower scientific field "Underground exploitation of mineral raw materials" teaches the following subjects:</p> <ul style="list-style-type: none"> - Designing modern mines - Optimization of technological processes in underground exploitation, - Backfilling technologies in underground mining. <p>Third cycle of studies in the field of "Mining", narrower scientific field "Underground exploitation of mineral resources" raw material" teaches the following subjects:</p> <ul style="list-style-type: none"> - Highly productive excavation technologies in underground mining - Excavation methods in underground mining - Modern methods of underground mine design

Mentoring in the preparation of master's and doctoral theses

Master's theses

Sh. Lapandić.: Cost-effective construction of pit rooms through coal in the Omazići pit RMU Banovići, dd Banovići - Master's thesis, Tuzla, 2008. (commission member).

J. Brkić.: Use of sands from the Kreka deposit for backfilling in underground exploitation - Master's thesis, Tuzla, 2008. (member of the committee).

H. Čičkušić.: "The influence of mining and geological factors on the geometry of the chamber method of excavation with flow ventilation in the Bukinje lignite mine" - Master's thesis, Tuzla 2010. (**mentor**).

E. Fazlić: Selection of technology for passing a mechanized wide face through connecting pits in the "Mramor" mine - Master's thesis, Tuzla 2011 (member of the committee).

Š. Sarajlić: Optimization of technological phases of the chamber excavation method in the pit "Đurdevik" RMU Đurdevik, - Master's thesis. Tuzla 2012. (**mentor of the thesis**).

A. Idrizović: Increasing the speed of underground construction using the AM 50 zw machine with anchor support for mine conditions "Underground mining" RMU Banovići d.d. - Master's thesis Tuzla 2014. (member of the committee).

E. Sejranović: Construction of wider preparation rooms using the AM-50z-w combine in the "Marići" district, II Horizont in "Mramor", Tuzla 2015. – (member of the commission).

M. Mašić: Evaluation of the construction of the transport scoop of the pit Begići - Bištrani RMU "Kakanj",

(appointment of the committee for the evaluation of the final master's thesis), Tuzla, 2015. – (commission member).

S. Čelebić: Monitoring the construction of the hydrotechnical tunnel "Ribnica" RMU "Kakanj", (appointment of the commission for the assessment of the final master's thesis), Tuzla 2015. – (member of the commission).

A. Kulaglić: The influence of mining and geological factors on the technology of mechanized wide-faced excavation in OP S-19/1P, Breza brown coal mine, (appointment of the commission for the assessment of the final master's thesis), Tuzla 2016. – (**mentor of the thesis**).

Dž. Dostović: Dimensioning of the Western mining fields for mechanized mining in the mine "Underground exploitation" RMU "Banovići", Tuzla 2016. – (**mentor of the work**).

A. Beširević: Construction of a central water collector in the RMU "Breza", Tuzla 2016. – (member of the commission).

V. Nijaz: Technology of working with a mechanized wide face in fault zones of the OP PV pit "Seoce" RMU "Kakanj", Tuzla 2017. – (**mentor of the work**).

E. Velić: Selection of support for the reconstruction of underground facilities in RMU Beza, Tuzla 2020 - (chairman of the commission),

K. Herco: Technology of work on the relocation of complex mechanized equipment of a wide face from OP K12/1G to OP K12/2G, Kamenice pit, Breza brown coal mine. Tuzla 2020. – (**work mentor**).

A. Avdić: Hranjen tunnel construction technology, Tuzla 2021, (president of the commission),

Doctoral theses M. Lujic: Opening and preparation of the bauxite deposit "Podbračan" A.D. Bauxite-Milići, Tuzla 2021. –(**work mentor**).

Ž. Zubak: Synergy of the workplace and technical means, with special reference to the social aspect of risk in quarries, selection of the topic of the doctoral dissertation, 12.05. 2008, (commission member).

J. Brkić.: Sands of the Kreka Basin as Backfill in the Exploitation of Protective Pillars of the Mramor Mine (Dissertation Defense, April 2012 (Commission Member).

N. Todorović: Management of ventilation fire risks in mechanized mining of large-thick coal seams in RMU "Banovići", doctoral dissertation defense, 2013 (committee member).

A. Halilčević: Optimization of the technology of mechanized wide-faced coal seam mining using the example of RMU Banovići, (formation 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 writing a doctoral dissertation) 04. 09. 2013. – **thesis mentor**.

M. Klopčić: System of preparation of excavation fields in the coal seam using the example of RMU Banovići, (formation 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 writing a doctoral dissertation) 12. 10. 2013. – **thesis mentor**.

Š. Lapandić: Optimization of technical parameters in the construction of mine facilities in coal deposits in Bosnia and Herzegovina. (Establishment of the Commission for the assessment of the conditions of candidates for obtaining the scientific degree of Doctor of Science and the suitability of the topic for the preparation of a doctoral dissertation) 24. 12. 2013. – member of the Commission.

H. Čičkušić: Dynamics of preparation and mining of lignite coal seams using complex mechanization. (Establishment 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 writing a doctoral dissertation) 26. 03. 2014., **dissertation defense 23. 12. 2019. – thesis mentor**.

Š. Sarajlić: Rational systems for the preparation and exploitation of deposits in complex mining and geological conditions on the example of the new pit "Brezja" RMU Đurđevik, Commission for the assessment of the conditions of candidates for obtaining the scientific degree of Doctor of Science and the suitability of the topic for the preparation of a doctoral dissertation) 26. 03. 2021., **dissertation defense 24. 10. 2024 - thesis mentor**.

Dž. Dostović: Effectiveness of operation of a complex-mechanized wide face in complex mining-geological conditions of the Mining and Geological University "Banovići", Commission for assessing the conditions of candidates for obtaining the scientific degree of Doctor of Science and the suitability of the topic for writing a doctoral dissertation) 26. 03. 2021. year - **thesis mentor**.

Research projects and studies

Completed projects

PROJECTS:

"TEMPUS" Tempus Phare Joint European Project: AC-JEP-14377-1999. to 2001. **O. Musić** and others University of Kaiserslautern, Federal Republic of Germany 2000.

Project "REINTRO". REUSE OF INDUSTRIAL WASTE FOR WASTE WATER TREATMENT AND IMPROVMENT OF LANDFILLS. J. Bossert., S. Salihović, H. Simić, **O. Musić**, V. Selimbašić; European Union. European Union (participating countries: Germany, Latvia, Bulgaria, Serbia Macedonia, Croatia and Bosnia and Herzegovina) - European Union, University of Jena, Germany 2002 – 2006.

Long-term development program of ZD RMU "Đurđevik" for the period 2016 - 2031. RMU Đurđevik, 2016, associate

Advisory expert body for exploration and exploitation of oil and gas for the Federation of Bosnia and Herzegovina, Number: 03-02-1241/2016 PO, Sarajevo 2016. – member

LONG-TERM DEVELOPMENT PROGRAM OF ZD RMU "Đurđevik" doo Đurđevik 2016-2031. **O. Musić** external expert consultant and others. Đurđevik 2016.

STUDIES:

Analysis of the impact of organizational-human factors and material factors on injuries in the Mine Kakanj brown coal mine in the period 1979 – 1989. H. Uljić, **O. Musić**; Kakanj brown coal mine 1991.year.

Study of the construction of a plateau at the location "Strelište" Velika Ribnica from earth material that is created as a surplus in the production process at the quarry "Ribnica" - Banovići

PRE-STUDY:

Preliminary study on the economic justification of initiating concessions for the exploration of technical limestone on the concession field "Necvijeće" near Trebinje. E. Huseinagić, I. Đulović, Z. Ferhatbegović, **O. Musić**; "NEIMARSTVO"-Trebinje. 2008.

Patents, innovations and copyrights

PATENTS:

M. Memić, **O. Musić** .: "Expansion anchor"; BA-GAZETTE OF THE INSTITUTE OF INTELLECTUAL PROPERTY-NO. 4/2010-2010-12-31, pp. 38-39. Decision on the grant of a patent GAZETTE OF THE INSTITUTE OF INTELLECTUAL PROPERTY - NUMBER 2/2011.

" **Expansion Anchor** " patent has won the following awards:

- INTERNATIONALE FACHMESSE "IDEEN-ERFINDUNGEN-NEUHEITEN" Nurnberg-iENA 2009. - **Bronzemedaille** ,
- Seoul International Invention Fair-SIIF 2009. - **Gold Prize** ,
- SALON INTERNATIONAL DES INVENTIONS GENEVA-2010. - **Gold medal** and
- CONCOURS LEPINE LE SALON AND INTERNATIONAL DE L 'INVENTIONS DE PARIS, 2010. - **Medaille de Bronze** .

Personal skills and competencies

Native language **Bosnian**

Other languages

	Understanding		Speech		Writing
	Listening	Reading	Voice interaction	Speech	
English Language	2-3	2-3	2-3	2-3	3
German Language	2-3	2-3	2-3	2-3	3
Russian language	3	3	3	3	3

Scientific, professional and social competences

Competencies for conducting scientific research and teaching in higher education

PhD in Mining

Competencies for participation in scientific research projects

PhD in Mining

Scientific and research interest (occupation) and current training

PhD in Mining

Planned training

Social skills and competences

Organizational skills and competencies

Technical skills and competencies

Underground mining technology for mineral resources
Technology of filling excavated space.

Computer skills and competencies

Microsoft Office (Word, Excel, Power Point, Visio)