

Academic
curriculum vitae



Personal information

First and last name

Kemal Gutic

Addresses

Mehmedalija Maka Dizdar no. 35 L I2 , 75000 Tuzla

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Email/Web

kemal.gutic@untz.ba

Citizenship

Bosnia and Herzegovina

Date of birth

01.06.1968.

Gender

M

Current
workplace/position/title

Full professor, Executive Board Underground exploitation of mineral raw materials, 17.02.2020.
Associate Professor, Executive Board Mining Exploitation of Mineral Raw Materials, decision number 03-1510-11.20/10 of 17.02.2010.
Dean of the RGGF, 2010-2025.

Work experience

Dates

From February 16, 2005 to February 17, 2010. year

Position / occupation / title

Docent, Selection for the title for the subject "Tunnels with underground rooms"

Basic responsibilities and
duties

Education, NIR, Designer and auditor RGGF

Employer name

University of Tuzla , Faculty of Mining, Geology and Civil Engineering

Type of business activity of
the employer

Education of students at undergraduate and postgraduate studies of RGGF in the departments of: mining, construction, safety and assistance. Publishing scientific and professional papers in domestic and professional journals.

Participation in domestic and international conferences, seminars. Practical training, working with international colleagues in the field of Geotechnics, Mining, with an emphasis on supporting underground spaces and tunnels with anchors.

Primary opus of activities: education, scientific research, design and auditing based on acquired conditions prescribed by the law of BiH.

Dates

From February 5, 2000 to February 15, 2005

Position / occupation / title

Senior Assistant

Basic responsibilities and duties

Conducting auditory, laboratory and practical exercises in the field of Construction of underground mining facilities and underground exploitation.

Employer name

Faculty of Mining, Geology and Civil , University of Tuzla.

Type of business activity of
the employer

Engineering Education, scientific research, design and auditing.

Dates	From October 1, 1997 to February 4, 2000
Position / occupation / title	Chief of Protocol of the Governor of Tuzla Canton.
Basic responsibilities and duties	Protocol of the TC, Office of the President. CANTON
Employer name	OF TUZLA.
Type of business activity of the employer	Canton 3, RGF - assistant associate at the Department of Underground Exploitation, Construction of mining facilities, education, conducting auditory, laboratory and practical exercises.
Dates	From April 11, 1997 - September 30, 1997
Position / occupation / title	Assistant to the technical manager of the pit, ventilation and drainage engineer, assistant to the RGF in Tuzla.
Basic responsibilities And duties	Technological process of obtaining coal, supervision, preparation of studies, education, performance of practical exercises in the construction of mining facilities.
Employer name	DP "Tuzla" Coal Mines in Tuzla, Jama Omaziği, RGF in Tuzla.
Type of business activity of the employer	Coal extraction in underground mining, construction of underground mining facilities, monitoring of ventilation and drainage.
Dates	From September 1, 1995 to April 10, 1997.
Position / occupation / title	Technological process engineer in the Omaziği RMU Banovići pit, RGF assistant Construction of mining facilities.
Basic responsibilities and duties	Technological process in the Omaziği pit, underground exploitation, education.
Employer name	DP Coal Mines "Tuzla" in Tuzla, RGF Tuzla.
Type of business activity of the employer	Underground coal mining, conducting practical, auditory and laboratory exercises with undergraduate students. Construction of mining facilities.
Dates	From September 1, 1994 to August 31, 1995
Position / occupation / title	Trainee engineer in Omaziği RMU Banovići pit, assistant RGF Tuzla, Construction of mining facilities.
Basic responsibilities and duties	All technological processes in the Omaziği pit, underground exploitation, education.
Employer name	DP Coal Mines "Tuzla" in Tuzla, RGF Tuzla.
Type of business activity of the employer	Underground coal mining, conducting practical exercises with students of the undergraduate study "Construction of mining facilities", RGF Tuzla.
Dates	From August 21, 1994 to August 31, 1994
Position / occupation / title	Elected assistant at the Department of Underground Mining of the RGF in Tuzla, University of Tuzla, Construction of Mining Facilities
Basic responsibilities and duties	Student education, conducting exercises.
Employer name	RGF Tuzla, University of Tuzla.
Type of business activity of the employer	Underground coal mining, conducting laboratory and auditory exercises with undergraduate students. Construction of mining facilities.

Dates	From April 13, 1994 to August 20, 1994
Position / occupation / title	Director Center for Culture, Information and Education.
Basic responsibilities and duties	Education within the Banovići library, promotion of culture, electronic media.
Employer name	Public Institution Center for Culture and Information Banovići.
Type of business activity of the employer	Library activities, theater, film, development of cultural and artistic content, information on local radio and television.
Dates	From September 1993 to April 13, 1994
Position / occupation / title	Teacher for the general group of mining and mechanical engineering subjects at the Mining, Mechanical, and Electrical Engineering School.
Basic responsibilities and duties	Education of high school students in the Mining profession
Employer name	Secondary school center Banovići
Type of business activity of the employer	Education in the subjects Underground Mining, Safety and Protection, Soil and Rock Mechanics, Descriptive Geometry and Technical Drawing, Fundamentals of Informatics.
Education and training	
Dates	1974-1982
Qualification acquired	Elementary school
Field of science and profession, acquired titles and skills	Basic education in natural and social sciences.
Name and type of organization	Elementary school Oskova, Banovići
Dates	1982-1986, JNA
Qualification acquired	IV degree
Field of science and profession, acquired titles and skills	Mining technician, General knowledge in natural, social and professional mining areas of mineral exploitation
Name and type of organization	Banovići High School Center, Mining Technical School
Dates	From 1987-1992, undergraduate studies at RGF Tuzla, diploma number 1382.
Qualification acquired	VII degree, practiced in the mines of Bosnia and Herzegovina, Ukraine, Makievka mine, MGU Moscow.
Field of science and profession, acquired titles and skills	March 20, 1992 , graduated as a mining engineer, general studies, acquired knowledge and skills in the field of surface and underground exploitation of mineral raw materials. Topic of the diploma thesis
Name and type of organization	"Chamber-column excavation method from the aspect of geomechanical characteristics". Faculty of Mining and Geology Tuzla, University of Tuzla
Dates	From 1994 to 1999, postgraduate studies at RGF Tuzla, diploma no. 125.
Qualification acquired	VII/1 Stupanj, 08/07/1999 , practical training at DP Rudnik Uglja in Tuzla
Field of science and profession, acquired titles and skills	Master of Technical Sciences in the field of mining on the topic "Introduction of modern methods support in underground brown coal mining in Bosnia and Herzegovina". Education, NIR.
Name and type of organization	Faculty of Mining and Geology in Tuzla, University of Tuzla
Page 3 - Curriculum vitae	University of Tuzla

Dates	From 1999 to October 29, 2004
Qualification acquired	VII/2 Degree, October 29, 2004, RGGF in Tuzla, University of Tuzla
Field of science and profession, acquired titles and skills	Doctor of Technical Sciences in the field of mining on the topic "Monitoring and Evaluation" "Supporting underground spaces by anchoring", Construction of mining facilities, Geotechnics, Tunnels.
Name and type of organization	RGF Tuzla, University of Tuzla
Scientific papers within the formal education	<p>Mining works</p> <p>Construction of underground rooms</p> <p>Demolition of the working environment in the classic way</p> <p>Mechanized construction of underground rooms</p> <p>Choices of methods of supporting underground spaces – wooden structures, steel, concrete, combined methods of supporting</p> <p>Supporting underground spaces with anchors</p> <p>Selection of drilling rigs when constructing mining facilities</p> <p>Selection of mechanized plants for the construction of underground rooms</p> <p>Combine AM50</p> <p>Practical experiments in coal mines of Bosnia and Herzegovina on supporting underground spaces with anchors</p> <p>Field work: hydrotechnical tunnel Kakanj, Rogatica</p> <p>Securing the dome of the underground room with anchors in the low-level delivery corridor of RMU "žurčevik"</p> <p>Application of new technologies for the stabilization of loose vaults in underground rooms in brown coal mines</p> <p>Practical experiment in securing underground spaces Omega bolt anchors in the lignite mine "Mramor"</p> <p>Testing of underground structures with anchors</p> <p>Analysis of the stability of underground mining capital facilities</p> <p>Training abroad in the field of construction and support of underground spaces with anchors (Austria, Germany, France, Poland, Czech Republic, Slovenia and others)</p>

SCIENTIFIC AND PROFESSIONAL WORK

* ANALYSIS OF SYSTEM STABILITY "ROCK MASSIVE SUB-GRADING, DURING UNDERGROUND CONSTRUCTION PREMISES USING THE NEW AUSTRIAN METHOD, No. 20. Proceedings of RGF, Tuzla, 1995, scientific work Authors: dr.sci. Muradif Memij, dr.sci. Zijad Ibršimovij

Kemal Gutij, B.Sc. Mining Engineer

* TECHNICAL IMPROVEMENT OF THE SLUDGE SYSTEM FOR FIRE REMEDY IN THE OMAZIJPI PIT, "RMU BANOVIJPI" No. 20. Proceedings of the RGF, Tuzla, 1995.

professional work Authors: Avdija Mumij, B.Sc.Eng.Kemal **Gutij, B.Sc.Eng.Džemal** Peštali, B.Sc.Eng.

* IMPACT OF DOWNTIME ON THE OPERATION OF THE COMBINATION FOR THE CONSTRUCTION OF UNDERGROUND SPACES AS A SYSTEM OF CONTINUOUS TRANSPORT, International Seminar, "Summer University" Tuzla, 1998, University of Glasgow, Zagreb University Library, scientific paper Authors: dr. sci. Zijad Ibršimovij, Ph.D. sci. Abduselam Adilovij, **Kemal Gutij, B.Sc.**

* INTRODUCTION OF MODERN METHODS OF SUPPORTING CAVE SPACES IN BROWN COAL MINES OF BIH, scientific paper published in the journal RUDARSTO 13-16, Ri, Tuzla, 1999

Author: Kemal Gutij, B.Sc.

International project: "Modernization of the teaching process and putting laboratories into the function of performance" classes "World University Service, Austria, Project Centers of Excellence CEP-12, Sarajevo, 1999.

Author: Kemal Gutij, B.Sc.

* Professional seminar on the topic "Modern economical methods of support in underground mining" ANCHOR SUPPORT SYSTEMS AND REVIEW OF MECHANIZATION FOR INSTALLATION OF ANCHOR SUPPORT, Zlađa, 1997,

Banovijpi, Round Table, special edition of RGF, Tuzla

Authors: Zijad Ibršimovij, Ph.D

Kemal Gutij, B.Sc. Mining Engineer

* Participation in a symposium in Germany, RWTH Aachen in the field of supporting underground spaces with anchors, "Roofbolting in mining" June 1998

* Conference in Peüh, Hungary, "Key issues of economic development in the spirit of preserving the natural environment" presentation on the topic "Does the operative action of working committees compensate for geopolitical disadvantages" Euroregional cooperation Danube-Drava-Sava, 1999, authorized and published participation, necessary research work.

Author: Kemal Gutij, B.Sc.

* Participation in the international colloquium, "Methods of wide-faced excavation" RWTH, Germany, Aachen, 2000.b) Scientific and professional work of the candidate since the last election in 2000

Presentation and participation at the Conference on the status and prospects of mining in BIH, excerpt from the candidate's master's thesis on the topic: "Contributions to scientific exploratory work for the development of the B&H mine "Banovijpi" on June 29-30, 2000, ISBN 9958-9647-2-4, oral presentation and visual presentation of the original scientific paper, contribution publication.Author:Mr.Sc. **Kemal Gutij, senior assistant**

ROOFBOLTING SYSTEM CONCEPTS AND APPLICATION IN MINING

BIH, RWTH University of Aachen, Germany, June 2001, presentation and published paper pp. 527-537, ISSN 1437-6830, ISBN 3-86073-921-2 Aachen International mining symposia.

Author: MSc. Kemal Gutij, senior assistant

Summary: The area of research into the application of roofbolting systems relates to underground premises of Kakanj, Banovijpi and Breza mines, where, from the aspect of economic justification, the candidate gives priority to the underpinning of underground rooms with anchors.

CODE OF UNDERGROUND SPACES IN BIH, Techniki Urbania, International Conference Krakow AGH Poland 2001. Scientific paper ISBN 83-915742-0-2, pp. 54-64 Authors: Dr. Sci. Zijad Ibršimovij, associate professor, **MSc. Sci. Kemal Gutij, senior assistant**

Summary: The essence of the work is the development of technologies for substructures of underground spaces based in two directions based on world and domestic experiences. PROBLEMS OF UNDERGROUND SPACES SUPPORT IN COAL MINES OF BIH, Proceedings, RGGF, Tuzla, p. 55 – 63 ISSN 1512-7044, Authors: Dr. Sci. Zijad Ibršimovij, Associate Professor Refik Ahmedinovij, Ph.D., **MSc. Kemal Gutij, senior assistant**

Summary: The topicality of the problem of underground mines in Bosnia and Herzegovina was observed based on the price The cost of coal is expressed through energy value, and in this case, it is. Applying scientific principles, the authors valorize anchoring in order to reduce large investments in the opening and development of underground facilities.

TECHNICAL-TECHNOLOGICAL POSSIBILITY OF MINE REVITALISATION

MAGNESITE "KONZHUH" IN KLDNJ, BIH, Proceedings

IV International Conference, Non-metallic inorganic materials production-processing-application, Zenica, 2002, University of Sarajevo, pp. 41-47. Authors: Zijad Ibršimovij, Ph.D. , Associate Professor, M.Sci.

Summary: The scientific paper analyzes the initiation of underground production, bearing in mind the ore reserves, new concepts are established based on the production of caustic and sinter magnesite.

APPLICATION OF LOKSET ANCHOR CAPSULE WITH RESIN FOR MANUFACTURING UNDERGROUND SPACES IN BIH, Proceedings of the RGGF, Tuzla, 2002. ISSN 1512-7044, professional paper, pp. Authors: **M.Sc. Kemal Gutij, senior assistant** Semir Fejzij, student Polyester resins in practice combined with Lokset anchors give significant results for supporting underground spaces.

MONITORING THE USE OF MECHANIZATION IN UNDERGROUND MINES OF BOSNIA AND HERZEGOVINA, International Conference II

Techniki U.str.149-158 Krakow,AGH ,Poland,2002.ISBN 83 9157 42-5-3

Authors: Dr. Sci. Zijad Ibršimovij, associate professor

MSc. Kemal Gutij, senior assistant

SUMMARY: The scientific paper presents the justification for repairing existing equipment that existed until in 1992 in Bosnia and Herzegovina and proposes new methods, directions of action in the mechanization of production underground premises. It is necessary to emphasize that innovation is being introduced into the work when selecting new machinery and managing it.

POSSIBILITY OF SIMULTANEOUS DEVELOPMENT OF SEVERAL LAYERS IN ONE RESERVOIR THAT ARE GAS-BEARING AND DANGEROUS FROM GAS AND MATERIAL RELEASES, Fourth International Symposium Mining and Environmental Protection, Vrdnik, Serbia and Montenegro, 2002,

		Proceedings, Committee for Underground Exploitation of Mineral Raw Materials of Serbia and Montenegro, Bor, Bor, 2004. Pages 23-27,
		. The scientific novelty of the work is reflected in the application of numerical methods in the selection of economically justified solutions for supporting underground spaces. Current By analyzing and researching underground spaces at the "RMU Kakanj" sites, they set up a simulation model of the "ADINA" software package. After obtaining the research results, they defined the deformation state around the underground spaces and proved that they can apply anchor support systems with high quality.
		UDC622YU ISSN 1451-0162; Authors: Z. Ibrišimović, M. Avdić, Kemal Gutić
The institution where the paper was prepared	Title of work	"The function of the thickener in the secondary purification system of technological waters and their transport to the main separation decanter of the RMU "Banovići" as well as the transport of the sediment separated from that system"
		RGF, Belgrade, ISTI 05
	Year and place	VI International Symposium on Transport and Export, Budva May 23-25, 2005 pages 309-313.
	Summary	The issue of purification of technological waters is a very important condition for the normal operation of the technological process of enrichment of open-pit coal. The function of the thickener in this system is very important because the thickening process removes fine particles from the technological lines. For the proper operation of the thickener and all machines in the process, it is important to properly solve the issue of transport, because the problem is very relevant due to the abrasiveness of fine particles of coal and tailings that damage the transport system.
	Comment	A.Hodžić, Kemal Gutić , E. Avdić
The institution where the paper was prepared	Title of work	Innovations in the prevention of rockfall protection during excavation in the "Raspotočje" pit" 6th
		International symposium of mine haulage and hoisting, Budva, May 23-25, 2005.
	Year and place	RGF BELGRADE
	Summary	Research into the prevention of mountain avalanches and proposed solutions.
	Comment	Adilović, Abduselam; Sakic, Emin; Kemal Gutić ;
The institution where the paper was prepared	Title of work	"Phenomenon and identification of wedge fracture"
		Proceedings of the RGGF
	Year and place	2006 on the occasion of 35 years of work at the RGGF, Tuzla, Dr. sc. Enver Mandžić, full professor
	Summary	professor. Pages 91-97, ISSN 1512-7044, Academician
Comment		Ibrahimović, Adnan; Mandžić, Kenan; Gutić, Kemal ;
The institution where the paper was prepared	Title of work	"Methods and conditions of wedge movement on slopes in rock mass"
		Proceedings of the RGGF 2006
	Year and place	on the occasion of 35 years of work at the RGGF, Academician, Dr. sc. Enver Mandžić, full member
	Summary	professor. Pages 99-105, ISSN 1512-7044
	Comment	Ibrahimović, Adnan; Gutić, Kemal ; Mandžić, Kenan;
The institution where the paper was prepared	Title of work	"The influence of the equivalent wide-front opening on the occurrence of endogenous fires"
		International Mining Symposium "Mining 2006" from 08-10.November, Croatia, Dubrovnik "Exploration,
	Year and place	exploitation and processing of solid mineral raw materials" 2006. Dubrovnik. Pages 164-169
	Page 6 - Curriculum vitae	University of Tuzla

Summary	Research on the creation of endogenous fires through wide-opening openings ISSN 1846-2766
Comment	Adilović Abduselam, Marković Jelena, Gutić, Kemal;
Title of work	The quality of refined coal at the separation of RMU Banovići as a function of the granulometric composition of pit coal".
The institution where the paper was prepared	International mining symposium "Mining 2006" from November 8-10, 2006.
Year and place	Dubrovnik "Exploration, exploitation and processing of solid mineral raw materials" 2006. Dubrovnik. Pages 190-203
Summary	ISSN 1846-2766
Comment	P., Miroslav; G., Salko Gutić, Kemal
Title of work	"Application development
The institution where the paper was prepared	"Sidara" University of
Year and place	Mostar, 2006.
Summary	Gazette of the University of Mostar.
Comment	The paper observes the development and application of anchors for stabilization and support rocks Ekrem Begtašagić, Gutić, Kemal;
Title of work	Monograph of the works of the RGGF of the University of Tuzla, Monograph «International Scientific and Professional Conference, 07,08, July 2006, pages 163-165
The institution where the paper was prepared	
Year and place	
Summary	The constant increase in oil and natural gas prices in recent times, as well as the uncertainty in the supply of these energy sources, has resulted in the development of new coal processing technologies. One of these new products is coal dust, which can be used in many industries as a substitute for liquid and gaseous fuels. This research and development has so far moved and is moving in two directions, namely:
Comment	- use of dry and pulverized coal i - burning of ground coal in the form of a coal-water suspension The process of burning ground coal as a slurry is intensively developed in the USA, but has not yet been brought to the level of commercial use. However, from the point of view of protection and safety, this procedure has a number of advantages compared to the technology of burning dry and pulverized coal, since dry coal dust has explosive or flammable properties. A.Hodžić, E.Avdić, Kemal Gutić, N.Ikanović
Title of work	GEOMORPHOLOGY ANALYSIS OF THE RELIEF ENERGY, SLOPE SLOPES OF THE EASTERN AND NORTHEASTERN PARTS OF MAJEVICA MOUNTAINS - WIDE AREA OF JANNJE POTEZU LUGOVI – DONJA TRNOVA,
The institution where the paper was prepared	Proceedings of the RGF-Belgrade ENERGY MINING 07, Vrnjačka Banja from 21-24.11.2007.
Year and place	RGF – Belgrade, Vrnjačka Banja, 21-24.11.2007.
Summary	The paper explores active geomorphological areas of NE Bosnia, in the function of energy
Comment	potential. Authors: . A.Baraković, Kemal Gutić, D.Baraković
Title of work	Development of application software for defining the stress states of the working environment in tunnels using classical methods,
The institution where the paper was prepared	RGF Belgrade, Book of Proceedings ISBN 978-86-7352-181-7.
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Year and place	COLUMN, 17-18. 12. 2007. RGF Belgrade,
Summary	Observation of classical methods of underground pressures, through a program for their efficient analysis.
Comment	Kemal Gutij , A. Baraković, N. Ikanović,
Title of work	Quality of stability of the rock massif of underground structures
The institution where the paper was prepared	RGF Belgrade, Book of Proceedings ISBN 978-86-7352-181-7.
Year and place	STUP, December 17-18, 2007, RGF Belgrade
Summary	The paper treats the quality of the rock mass of an underground structure from the aspect of geotechnical classification.
Comment	Kemal GUTIC , I. Zijad, Mevludin A., Amir H.
Title of work	Calculation of volumes from digital terrain models
The institution where the paper was prepared	RGGF Tuzla Proceedings, ISSN 1512-7044 p.61-66
Year and place	RGGF, Tuzla 17-18.12.2007.
Summary	Innovation in calculating volumes from digital terrain models using new programs.
Comment	M.Janić, Kemal GUTIJ , B. Amir. Ćunij N.
Title of work	Reconstruction and rehabilitation of capital underground structures in RMU Banovići
The institution where the paper was prepared	RGF Belgrade, Book of Proceedings ISBN 978-86-7352-181-7.
Year and place	STUP, December 17-18, 2007, RGF Belgrade
Summary	Research into optimal and economically justified solutions for the reconstruction and rehabilitation
Comment	of capital underground facilities in the Banovići mine. I. Nevad, K. Mirsad, I. Zijad, Kemal GUTIC ,
Title of work	Other works given in the bibliography overview Capacity of scientific research work of the University of
The institution where the paper was prepared	Tuzla University of Tuzla, Federal Ministry of Education and Science Register of independent
Year and place	researchers Mostar Od 2004.godine to 2008.godine Report for the selection to the title of assistant
Summary	professor Archives of the University of Tuzla More information bibliography
Comment	of the University of Tuzla from 2000-2008.godine http://www.untz.ba/uredi/nir_kapacitet-nira.htm Federal Register of Scientific and Research Workers and Institutions. http://registar.nub.ba Broader scientific field Narrower scientific field Field Name and code Name and code according to CERIF
	Mining classification T340, T220, T 230, T370, T500 according to ARRS
	Mining classification 2.16, 2.16.04, 2.013, according to FRASCATI
	Mining classification 2.3, 2.1, 1.03.04
Publication name	Monograph published in 2006 , ISSN 1512-7044
Authors	Author Group; Gutij Kemal fifth author
Publisher, year and place	ISSN: 1512-7044; Tuzla 2006. Technical Editor Kemal Gutij, Member of the Organizing Committee: Gutij, Kemal; Coordinator
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Summary	<div>1. Ibrišimović, Zijad; Gutić, Kemal; Krauze, Kristof, Ikanović, Nevad: "Condition of coal mines with underground exploitation in BiH and Development Strategy", Tuzla International Mining Conference: XXXII Monograph of the Proceedings of the paper "Trends in Contemporary Mining", Tuzla, July 2006, pp. 09-16.</div> <div>2. Krauze, Christoph; Ibrišimović, Zijad; Gutić, Kemal; Sadness Andrzej; Sedlaczek, Janusz; Ikanovic, Nevada: "Zabrazanske zaklady mechanizacine sa Polski produced modernowch kombajnow scianowych dla gornictwa weglowego", Tuzla International Mining Conference; XXXII Monograph of Proceedings "Trendovi u Modern Mining", Tuzla, July 2006, pp. 18-22.</div> <div>3. Delij, Edin; Gutić, Kemal; Alij, Nurfet: "Model for the interpretation of discontinuities in rocks during hydraulic rotary drilling by dissipation of hydraulic drilling energy" Tuzla International Mining Conference; XXXII Monograph of the collection of papers "Trends in Contemporary Mining", Tuzla, July 2006, pp. 102-106.</div> <div>4. Berbić, Nadil; Gutić, Kemal; Suljić Šefik: "Structure and hierarchy of systems for monitoring and managing technological processes and safety systems of mines in Bosnia and Herzegovina" Tuzla International Mining Conference; XXXII Monograph Proceedings of the conference "Trends in Contemporary Mining", Tuzla, July 2006, pp. 154-156.</div> <div>5. Zbigniew, Isakow; Berbić, Nadil; Gutić, Kemal; "Online monitoring of vibrations of ground and building subsidence caused by mining exploitation" Tuzla International Mining Conference; XXXII Monograph of the Proceedings "Trends of in modern mining", Tuzla, July 2006, pp. 157-158.</div>
Commentary	The book serves for application in practice and education of students
Publication name	"Construction of Mining Facilities" Book II, "Demolition of the Working Environment with Explosives"
Authors	Ph.D.Sc. Zijad Ibrišimović, docent
Publisher, year and place	RGF Tuzla, 1996,
Brief content	Construction of underground rooms of small and large cross-section with explosive materials.
Commentary	The book serves for application in practice and education of students
The name of the publication	"Underground Pressures",
The author is	Ph.D. Zijad Ibrišimović, associate professor
Publisher, year and place	RI Tuzla, 2003, RGGF Tuzla, 2006,
Short summary	<div>Textbook ISBN 9958-606-46-0, COBIS. BH-ID14597894 with the same reviewers, Tuzla, 2006.</div> <div>"The material is characterized by its systematicity and clear presentation of the treatment of this specific scientific field. The author's educational work can be assessed as a very useful and significant contribution to the development of scientific thoughts, theories and practices from this scientific field." Chief and technical editor Kemal Gutić</div>
Commentary	The book serves for application in practice and education of students
Publication name	Explosive materials
Authors	Zijad Ibrišimović, A. Adilović, Kemal Gutić , N. Alij
Publisher, year and place	RGGF Tuzla, 2006,
Summary	<div>University of Tuzla, RGGF, 2006, University Textbook</div> <div>ISBN 9958-609-44-4, COBIS. BH-ID14597638. By decision of the Publishing Commission of the University of Tuzla, number 04/1-7425-2.7/05. dated 16.12. 2005. the reviewers Dr. sc. Nebojša Vidanović, Associate Professor, RGF Belgrade, University of Belgrade.Dr. sc. Salih Slijepčević, Assistant Professor, RGGF Tuzla, University of Tuzla.</div>
Commentary	The book serves for application in practice and education of students
	Reviewers' critical review
	<div>The manuscript is categorized as a textbook and is intended for first-year students of the Department of Security.</div> <div>The content of this work is compatible with the curricula of other profiles and can be used for education.</div>
Publication name	«Construction of underground mining facilities - Demolition of the working environment without the use of explosives, Book I», Tuzla: University of Tuzla, 2007.
Authors	Ibrišimović Zijad, Vidanović Nebojša, Kemal Gutić
Publisher, year and place	RGGF Tuzla, 2007,
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Summary Reviewers Prof. Dr. Salih Slijepčević, RGGF Tuzla; Prof. Dr. Slobodan Trajković, RGF Belgrade
Commentary Mechanized construction of underground spaces in mining and tunneling.
The book serves for application in practice and education of students.

Title of the publication **"Monograph of Proceedings Trends in Contemporary Mining" TIMC 05/06** Authors
CO-AUTHOR K.Gutić

Publisher, year and place RGGF Tuzla, 2007,

Brief content **International conference held with publication of papers**

Commentary Serves for practical application and student education

Publication name **"Exploratory drilling**

II Authors H Zijah, I. Hamo, **Kemal Gutić**

Publisher, year and place UDC 622.332 ISBN 978-9958-656-32-3 COBISS.BH-ID 15833606 PUBLISHER "Ars Grafik" Tuzla

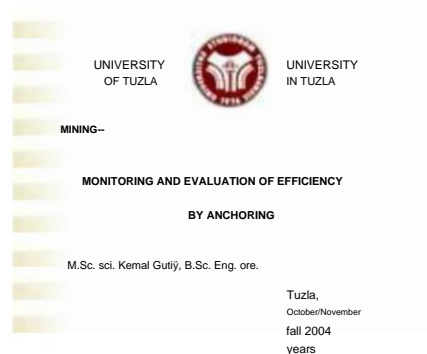
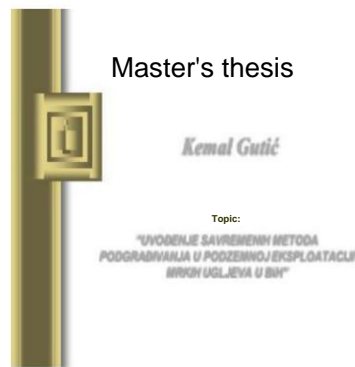
Summary **A presentation of large diameter drilling, with the technical and technological challenge of deep drilling. Special** attention is given to facilities, well testing and drilling bits. Well conditions are given in chapter six, with an earlier presentation of cementation. The textbook also observes alternative drilling methods. Ecology is covered at the end of the book.

Commentary Serves for practical application and student education

Selected projects and presentations

Master's and doctoral thesis

Name



Support to the International Project "SLO/BIH Mass Application of Anchors in Underground Structures in BiH". Federal Ministry of Energy, Mining and Industry, 2007.

International project Mass application of anchors in underground premises of Bosnia and Herzegovina "2008/2009. Project ongoing.

Cooperation with practice, participation in project tasks and practical work in the economy

CONDITIONS FOR DESIGNING ACQUIRED, PROFESSIONAL EXAM PASSED BASED ON INTERNSHIP DP RUDNICI UGLJA KREKA TUZLA PE JAMA OMAZIJI RUDNIK BANOVIIJI from

1994 to 1997, Certificate of suitability for design and project review issued by the Faculty of Mining, Geology and Civil Engineering, number: 01-234/2000-M dated 05.02.2000.

1. Study on the introduction of modern and economical technologies for supporting pit premises in the brown coal mine, "Breza" in Breza, Tuzla, 2000
2. Research project for the introduction of modern and economical technologies for the construction of mine facilities in the mine, "Underground exploitation "Banovići" in Banovići, doo, Tuzla, 2000
3. Professional implementation of the Supplementary Mining Project for the cessation of brine pumping water in the Trnovac – Hukalo district, associate, Tušanj Salt Mine, during 2006
4. Research – mine and thermal power plant "Kongora", Phase I of the Kongora deposit, associate, JP Elektroprivreda HZ "Herceg Bosne" DD Mostar. 24th of the month. 2006
5. Report on testing of stone and stone aggregate from the quarry and separation plant "Pušine" within the company "INGRUP" DOO Gornji Vakuf - Uskoplje, associate, "INGRUP" LLC Gornji Vakuf – Uskoplje, 2007.
6. "Construction of an underground explosives storage facility" Drivuša RMU Zenica , In 2007
7. Responsible designer Development of the central water facility for RMU "Breza", Tuzla RGGF, 2007.

8. "Project of technical and technological possibilities of restructuring and revitalization of mines

Magnesite Konjuh in Kladanj", RGGF Tuzla, University of Tuzla, 2007.

Revisions

Auditor: Techno-economic justification of introducing the Šy. excavation method for
RMU "Banovići - Underground exploitation, RGGF Tuzla, 2007, University of Tuzla.

Authors	Chief and responsible designer, assistant designer, consultant Kemal Gutij
Publisher, year and place	RGGFTuzla, University of Tuzla.
Summary	Underground construction, exploitation of energy resources, tunneling, geotechnics, ecology, safety, drilling, GEOTEHNOLOGY.
Comment	Part of the project documentation
Recognitions and awards	
Name	Award for the best work with students of RGGF Tuzla with participation in the Congress of Geotechnology Students Varajdin, Trakošćani, May 2007, University of Zagreb. And the place
Institution	University of Tuzla, Rektor Open University Tuzla 2003/2004 1. Won the 3rd prize (2003) with the paper: "Research project for introducing modern methods of supporting underground rooms in brown coal mines in Bosnia and Herzegovina. Authors:Mr. Sci. Kemal Gutij Maja Kin, civil engineering student Sead Kadrić, mining student 2. Won 2nd prize (2004) with the paper: "Development of application software for calculating pressures on the working environment in underground rooms using classical methods Authors: M.Sc. Kemal Gutij Sead Kadrić, mining student
Reason (reason)	Open University of Tuzla for the best student papers in 2003 and 2004
Short description	Research project with students of Mining and Civil Engineering, in the field of supporting structures with anchors and development of a program for calculating underground pressures for classical methods.
Comment	Author Kemal Gutic
Membership in professional associations	
Name of the association	Individual Member of the International Society for Rock Mechanics, during the year 2017
Brief description of the association	Coordinator of preparations and organizational activities of the UG RGGF 2007. Member of the Scholarship Fund for Gifted Students of the University of Tuzla in 2007 Scholarships for students and teachers 2007/2008
Association address / web reference	year www.untz.ba
Position in the association	Member of the University Commission for the preparation of tender documentation 01-85552-2/07 Work on committees for diploma theses over 7 mentorships and membership in defense committees over 15.

Participation in the teaching process

In the title of assistant / senior assistant From As. 1994. year 2000. year-V.as. until 2005 Construction of underground mining facilities.

As assistant professor Since 2005, "Tunnels with underground rooms" and other assigned subjects

With the title of Associate Professor Since 2010

As a full professor

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Other

1. "Education of workers for training miners to work in German mines", DOO "Rudar"
2. "Education of workers and engineering staff of RMU "Banovići"

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

Master's theses

Mentor for the preparation of the master's thesis for the candidate Amir Halićević,
Mining Engineering degree number 02/08-789-9.2/08 dated 08.02.2008, topic "Combined
" application of anchors with other support systems for the economical construction of
underground spaces"

Member of the commission for the evaluation and defense of the master's thesis: Nevad Ikanović, B.Sc. Mining
Engineer, number 01-10273/07 dated 31.1.2007, topic "Research on the functionality of
capital underground facilities and the need for their reconstruction in coal pits in BiH
using the example of RMU "Banovići", RGGF, December 2007.

Member of the commission for the evaluation and defense of the master's thesis: Nikica Marković, B.Sc. Mining
Engineer, number 02/8-4998-9.5/08 dated 18.06.2008, topic "Stability of mine rooms in the function of
selecting the optimal location for the RMU žurjčevik".

Member of the commission for the evaluation of the master's thesis and defense: Semir Fejzić topic number 02/8-
2935-10.1/09 dated 14.04.2009, topic "Use of modern anchor supports in excavations in the Zenica brown
coal mine".

Doctoral theses

1. Member of the committee for evaluating the topic and suitability of the candidate: Nihad Ćunij, M.Sc., B.Eng. in Geology.
Number: 03-1655-3.2.7/08 dated March 10, 2008
TOPIC: GEOLOGICAL AND GEOMORPHOLOGY ANALYSIS OF MORPHOSTRUCTURES
AND MYRPHOSCULPTURE OF THE BANOVIĆ COAL BASIN
2. Member of the committee for evaluation and suitability of topics and candidates at the University of Belgrade, RGF.

Research projects and studies

Completed projects

- AGH – Krakow Poland – Technika urbanija 2000.god
- RWTH – Aachen - Association for Underground Constructions 2001
- Montan University Leoben – Tunneling in 2002
- DAAD - Austria Vienna - Informatization Association 2002
- BENA - Association for Ecology and Environmental Protection 2003/2004
- RGF – Belgrade – Association for the construction of underground spaces 2005
- Geo Eta - Sarajevo - 2006
- Keller – GeoTechnik /SLO – CRO/ establishment procedure started in Tuzla 2007/2008
- KIS-IZOLATOR Kft. Hungary – Budapest / EUOKALMATORN Materials Poland – for noise protection,
building stability, hydro insulation and thermal insulation 2007/2008.

Current projects Project manager for BiH Geotechnology, Mass application of anchors in underground premises of BiH. L2-
7234-1555 Computational models of geomechanical mechanisms for safe sublevel coal mining P-0268. Scientific
cooperation between Slovenia and BiH for 2008/2009. WIDE RANGE ANCHORS APPLICATION IN
THE UNDERGROUND CONSTRUCTIONS IN THE BOSNIA AND HERZEGOVINA, Number 06 / 08-117/08.

Planned projects
(expected, in preparation)

Collaborator on the main reconstruction project of the M18-Tuzla-Sarajevo road - tunnel project

Personal skills and competencies

Native language

Other languages

English, Russian

Bosnian

Reading		Speech		Writing
Listening	Comprehension	Voice interaction	Speech	

A2 Individual user	Single user	Single user	Single user	Independent user
English, Russian	English, Russian	English, Russian	English, Russian	English, Russian

Scientific, professional and social competences

Competencies for conducting scientific research and teaching in higher education

Competencies for participation in scientific research projects

Scientific and research interest (occupation) and current training

Planned training

Social skills and competencies

Organizational skills and competencies

Technical skills and competencies

Computer skills and competencies

Artistic skills and competencies

Other skills and competencies

1. Kenna metal mining and construction division USA, Topic: Friction reduction and increasing machine efficiency material destruction by improving the geometry of the working organs and applying carbide-steel crowns.
2. DAAD University Erlangen – Nuremberg, RWTH Aachen, 17-19 February 2006. Experiences of the Bologna Process in Europe.

“DAAD University of Sarajevo and University of Stuttgart, participation of Kemal Gutić number 03-271/06

- Lantfill technique – Presence Unfuture, February-June 2006
- Colloquium "Tunnel Planning and Construction" Tunnel construction, stability of tunnel portals, tunnel subsidence, forces in the tunnel linings, modern infrastructure of underground transport facilities, March 2006
- Storage of hazardous materials and construction of underground facilities for them. April, 2006
- Civil engineering concepts from the aspect of environmental protection in the function of reducing energy consumption, May 2006 in Sarajevo education, training and research.

GEOTECHNICS, TUNNEL CONSTRUCTION, UNDERGROUND CONSTRUCTION, EXCAVATION SECURITY

ANCHORS OIL EXPLORATION SIBERIA, LIBYA, GEOTECHNOLOGY Slovenia, Austria,

USA (1999), TEXAS

- Aachen RWTH (1999), Roof bolting training/conference;
- AGH Krakow (2001) – underground rooms supported by anchors
- Montan University Leoben (2002) – Austria-France, Tunnels and underground construction
- Keller geotechnik Varajdin (2007) – Soil stabilization and tunnels, specialization, Graz, Soding.
- Slovenia Rudnik Velenje, University of Ljubljana NTF (Mass application of anchors in Bosnia and Herzegovina).
- Egypt, Cairo State National Research Institute (2007)

More information bibliography of the University of Tuzla, http://www.untz.ba/uredi/nir/nir_kapacitet-nira.htm

Prone to teamwork, active participation in the region in the field of scientific research education

Mobility, communication in written and electronic form ppt. The works mentioned above and attendance at seminars and conferences, organizational competences and leadership skills, project management acquired through work in state, cultural, and economic organizations.

Use of software programs, ADA LICENSE AUTHORIZATIONS, Microsoft Office,

Dance, artistic photography, painting, making metal sculptures, book collecting.

Sports, football, tennis, dance, swimming, organization of gatherings and events, Open University, Summer University, Mining Games, Geo Mining Games.

University of Tuzla

Other information

Attachment
Contributions

Driving license B, 19 years of experience.
Report for the selection of candidates for the academic title of FULL PROFESSOR.
Certificates

