

**Academic  
Curriculum vitae**



**Personal information**

Name and surname	<b>Sunčica Mašić</b>
Addresses	Ismeta Mujezinovića 26, Tuzla, 75000, Bosnia and Herzegovina
Phones	035/320553 GSM: 061/293958
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E-mail/Web	<a href="mailto:suncica.masic@untz.ba">suncica.masic@untz.ba</a>
Nationality	BiH
Date of birth	March 12, 1966
Pole	Female

<b>Current position/position/title</b>	<b>University of Tuzla-RGGF/Full Professor/Doctor of Technical Sciences</b>
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**Work experience**

Dates	From 2012 to the present
Position / occupation / title	Teacher/Full Professor/Doctor of Technical Sciences in the field of mining
Basic Responsibilities and Duties	Lectures on courses: Drainage, Flotation and agglomeration, Dewatering processes in the preparation of mineral raw materials, Mining machinery, Material handling and delivery, Safety in transport systems, Specifics of transport in mining, Transport of fluids, Transport and export, Transport in mining, Modern building materials
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Education and Scientific Research

  

Dates	From 2006 to 2012.
Position / occupation / title	Teacher/Associate Professor/Doctor of Technical Sciences in the field of mining
Basic Responsibilities and Duties	Lectures on courses: Drainage, Flotation and agglomeration, Dewatering processes in the preparation of mineral raw materials, Mining machinery, Material handling and delivery, Safety in transport systems, Specifics of transport in mining, Transport of fluids, Transport and export, Transport in mining, Modern building materials
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla

Type of business activity of the employer	Education and Scientific Research
Dates	From 2001 to 2006.
Position / occupation / title	Teacher/Assistant Professor/Doctor of Technical Sciences in the field of mining
Basic Responsibilities and Duties	Lectures on courses: Drainage in Mining, Fluid Transport, Fluid Transport I and Fluid Transport II, Hydraulic Conveying, Material Resistance RI, Material Resistance BEMS Exercise: Drainage in Mining, Transportation, Export, Continuous Transportation, Cyclic Transportation
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Education and Scientific Research
Dates	From 1995 to 2001.
Position / occupation / title	Associate/Senior Assistant/Master of Technical Sciences in the field of mining
Basic Responsibilities and Duties	Exercises in subjects: Transportation, Export, Mine Drainage, Material Resistance
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Education and Scientific Research
Dates	From 1991 to 1995.
Position / occupation / title	Mining Assistant/B.Sc.
Basic Responsibilities and Duties	Exercises in subjects: Transport, Export, Mine Drainage, Material Resistance
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Education and scientific research
Dates	From 1990 to 1991.
Position / occupation / title	High School Teacher/B.Sc. in Mining
Basic Responsibilities and Duties	Lectures on the course Fundamentals of Informatics and Computing
Employer name	School of Economics and Commerce Tuzla
Type of business activity of the employer	Education

### Education and training

Dates	1973-1981
Acquired qualification	Primary education
Field of science and profession, acquired titles and skills	Primary education
Name and type of organization	Elementary School "Jusuf Jakubović" Tuzla
Dates	1981 to 1985
Acquired qualification	Secondary education

Field of science and profession, acquired titles and skills	Building Construction Technician
Name and type of organization	School of Civil Engineering in Tuzla
Dates	Faculty of Mining, Geology and Civil Engineering, Tuzla (1985-1989)
Acquired qualification	VII degree of higher education (diploma No. 1240/89, 27.11.1989)
Field of science and profession, acquired titles and skills	Mining
	Bachelor of Science in Mining Engineering
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Dates	28.09.1990
Acquired qualification	Acquired qualification Certificate of Specialist Education, number Sp-01-108
Field of science and profession, acquired titles and skills	Informatics
	Specialist for teaching in the subject "Basics of Informatics and Computer Science"
Dates	06.03.1995.
Acquired qualification	Master of Mining Diploma No. 100
Field of science and profession, acquired titles and skills	Mining
	Mining, scientific field transport in mining, preparation of mineral raw materials
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Dates	06.04.2001
Acquired qualification	Doctor of Technical Sciences in the field of mining, diploma No. 199
Field of science and profession, acquired titles and skills	Mining
	Mining, scientific field of transport in mining, transport of fluids,
Name and type of organization	University of Tuzla, Faculty of Mining, Geology and Civil Engineering
Dates	2008
Acquired qualification	Completed GIS Course Introduction to MapInfo Professional
Field of science and profession, acquired titles and skills	Geoinformation systems. New findings in the field of geoinformation systems, desktop cartography, visualization and geographic analysis, thematic mapping, zoning, geocoding, SQL queries, databases.
Name and type of organization	GAUSS d.o.o. Tuzla, Research, Development and Application of Geoinformation Technologies

**Scientific Papers in the Field of Formal Education competencies in the field of mining, Preparation of mineral raw materials, transport and export in mining and materials**

Title of the work	Influencing Factors for the Selection of Driving Diagrams and High-Power Drive Electric Motors for Export Plants of the Koepe System, Hodžić S., Mašić Sunčica
The institution at which the work was made	XX Proceedings of the Faculty of Mining and Geology, Tuzla, ISSN 1512-7044, University of Tuzla, pages 7.-10

Year and place.	1995, Tuzla
Title of the work	Transportability of Mineral Raw Materials, Mašić Sunčica
The institution at which the work was made	XX Proceedings of the Faculty of Mining and Geology, Tuzla, University of Tuzla, pages 11-16.
Year and place.	1995, Tuzla
Title of the work	Rakers as dispensers of modern flow-through type crushers, Mašić Sunčica
The institution at which the work was made	Proceedings of the Faculty of Mining and Geology, Tuzla, University of Tuzla, pages 67-70.
Year and place.	1997, Tuzla
Title of the work	Influence of solid phase concentration, porosity of solid material and amount of water on the volume mass of the hydromixture, Mašić Sunčica
The institution at which the work was made	XXII/I Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 67-69.
Year and place.	2000, Tuzla
Title of the work	Calculation of pressure drop due to friction in the pipeline during the transport of hydromixture, Mašić Sunčica
The institution at which the work was made	XXII/I Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 71-76.
Year and place.	2000, Tuzla
Title of the work	Analysis of the Influence of Hydromixture Characteristics on the Hydrotransport Process, Mašić S., Bečirović H.
The institution at which the work was made	Rudarsvo nr 19-20, Tuzla, year V, ISSN 0353-9172 UDC 622, pages 25.-28.
Year and place.	2000, Tuzla
Title of the work	Universal mathematical model of calculation of hydrotransport plants that use centrifugal pumps for operation given in the form of an algorithm, Mašić S.
The institution at which the work was made	XXIV Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 77-84.
Year and place.	2002, Tuzla
Title of the work	Calculation of Hydromixture Transport Speed in Pipeline, Mašić S., Petrović M.
The institution at which the work was made	XXIV Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 85-92.
Year and place.	2002, Tuzla
Title of the work	Universal mathematical model in the form of a Fortran program for the calculation of hydrotransport plants using centrifugal pumps, Mašić S., Hodžić S.
The institution at which the work was made	XXVI Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 41-46.
Year and place.	2003, Tuzla
Title of the work	Influence of the predicted amount of water in the hydromixture in relation to the amount of solid mass on the basic parameters of hydrotransport plants, Mašić S., Hodžić S.
The institution at which the work was made	XXVII Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 139-142.
Year and place.	2004, Tuzla
Title of the work	Determination of the waiting coefficient in the closed work cycle of loading-transport complexes excavator-trucks, based on "in situ" measurements at PK RMU «Banovići», Hodžić S., Mašić S., Lapandić I.
The institution at which the work was made	XXVII Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 151-155.
Year and place.	2004, Tuzla

Title of the work	Hydrotransport process through pipes as a function of hydromixture characteristics, Mašić S., Hodžić S.
The institution at which the work was made	XXVIII Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 11.-15.
Year and place.	2005, Tuzla
Title of the work	Mathematical model of calculation of open streams – perimeter and floor channels for drainage of open-pit mines in the form of software tested on an example of an open-pit mine, Mašić S., Hodžić S.
The institution at which the work was made	XXIX/I Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 155-161.
Year and place.	2005, Tuzla
Title of the work	Mathematical modeling of the calculation of driving time of full and empty trucks (dumpers) in Visual Basic 6.0, Hodžić S., Mašić S., Alić N.
The institution at which the work was made	XXIX/II Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, ISSN 1512-7044, pages 167-174.
Year and place.	2005, Tuzla
Title of the work	PROGRAM FOR FAST ESTIMATION OF VALUE OF INVESTMENT IN THE CENTRAL HEATING SYSTEM", Mašić S., Bašić M, Arnautović A., Tinjić H
The institution at which the work was made	9 <sup>th</sup> International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2005, Antalya, Turkey, page 1319-1322.
Year and place.	2005, Antalya, Turkey
Title of the work	Selection of the most favorable solution for the transport of coal from the northern basin of the "Grahovčić" pit to the separation of RMU "Abid Lolić" Bila", Varupa M., Mašić S., Hodžić S.
The institution at which the work was made	XXXI Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, ISSN 1512-7044, pages 113-118.
Year and place.	2007, Tuzla
Title of the work	Mathematical Modeling of Scraper Transport Calculations in Visual Basic 6.0, Mašić S., Hodžić S.
The institution at which the work was made	XXXI Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, ISSN 1512-7044, pages 139-145.
Year and place.	2007, Tuzla
Title of the work	Limitations of the suction height oscillation area, in which the pump has stable operation (sample site PK "Grivice", Softić A., Mašić S.
The institution at which the work was made	XXXIV Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, ISSN 1512-7044, pages 1.-6.
Year and place.	2007, Tuzla
Title of the work	Methodology for the Selection of Atypical Excavator-Truck Complexes for Unexcavated Parts of Deposits, Mašić S., Lapandić E.
The institution at which the work was made	XXXIV Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, ISSN 1512-7044, pages 23-29.
Year and place.	2007, Tuzla
Title of the work	Pumping Height as a Function of Pump Capacity and Pipeline Length (Sample Site of PK «Grivice»)", Mašić S., Softić A.
The institution at which the work was made	XXXIII Proceedings of the Faculty of Mining, Geology and Civil Engineering, Tuzla, ISSN 15127044, pages 81-84.
Year and place.	2009, Tuzla
Title of the work	Optimum of Height Supplying – Height of Re-Pumping with Oscillation of the Suction Altitude and Oscillation of Capacity Size of Pump in Experimental Example on the Open Pit "Grivice", Softić A., Mašić S., Bašić Z., Brigić A.
The institution at which the work was made	21st World Mining Congress & Expo 2008, Poland, Kraków – Katowice – Sosnowiec, SSBN 987-83-88519-85-7, page 113.-123.

Year and place.	2008, Krakow – Katowice – Sosnowiec, Poland
Title of the work	CALCULATION OF REQUIRED NUMBER OF AUXILIARY MACHINES ON BLAK COAL OPEN PIT MINE, Brčanić M., Mašić S., Nurić S., Jukan M.
The institution at which the work was made	3rd International Symposium ENERGY MINING 2010, Banja Janaković, Apatin, ISBN 978-86-7352-215-9, pages 234-241.
Year and place.	2010, Banja Janaković, Serbia
Title of the work	Analysis of parameters about working the truck transport obtained from different sources in Black Coal Mine Banovici", Mašić S., Brčanić M., Kudumović Dž., Čeliković R., Lapandić I.
The institution at which the work was made	TTEM, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT, Sarajevo, Volume 6 Number 1, ISSN 1840-1503, pages 191-196.
Year and place.	2011, Sarajevo
Title of the work	Wastewater Pollution of the Gostelja River RMU Đurđevik, Avdić R., Mašić S., Alić N.
The institution at which the work was made	The 2nd Regional Conference ENVIRONMENTAL PROTECTION IN ENERGY, MINING AND INDUSTRY, Second Regional Conference, Environmental Protection in Energy, Mining and Industry, Zlatibor, ISBN 978-86-913953-2-2 (AGS), COBISS:SR-ID 183478540, pages 90-96.
Year and place.	2011. Zlatibor, Serbia
Title of the work	USAGE OF NEW TEHNOLOGIES FOR ACCOMPAINMENT OF CYCLING TRANSPORT IN OPEN PIT MINES BANOVIĆI, Mašić S., Čeliković R., Bečić M.
The institution at which the work was made	7th International Symposium On Mine Haulage and Hoisting, VII International Symposium on Transport and Export, Tara, Serbia, ISBN 978-86-7352-197-8, pages 72-77.
Year and place.	2008, Tara, Serbia
Title of the work	ANALYSIS OF LORRY TRANSPORTATION'S WORK REABILITY BASED ON DATAS COLLECTED WITH DIFFERENT METHODS, Mašić S., Čeliković R., Lapandić I., Bečić M.
The institution at which the work was made	X-TH JUBILEE NATIONAL CONFERENCE WITH INTERNATIONAL PARTICIPATION OF THE OPEN AND UNDERWATER MINING OF MINERALS, Bulgaria, ISBN 978-954-92219-6-1, page 205-212.
Year and place.	2009, Bulgaria
Title of the work	CLAROLINE SYSTEM FOR MANAGEMENT OF LEARING AND ITS APPLICATION IN THE TEACHING OF MINERAL DRESSING AND TRANSPORT, Mašić S., Avdić R., Alić N., Mandžić E., Mašić G.
The institution at which the work was made	XIV Balkan Mineral Processing Congress Tuzla, Volume II, CIP 622.3:553.04](063)(082), ISBN 978-9958-31-038-6, COBISS. BH-ID 18876422, pages 879-886.
Year and place.	2011, Tuzla
Title of the work	Selection of Coal and Overburden Transportation Type at the Surface Coalmine on the Basis of Techno-Economic Analysis, Suljić Š., Mašić S., Durmić S., Arnautović A.
The institution at which the work was made	15th International Research/Expert Conference" Trends in the Development of Machinery and Associated Technology" TMT 2011, Prague, Czech Republic, ISSN 1840-4944, pages 833-836.
Year and place.	2011, Prague, Czech Republic
Title of the work	POSSIBILITIES OF UTILIZATION OF GPS MANUAL RECEIVERS IN OPEN PITS, Čeliković R., Mašić S., Bajrektarević I., Bečić M.
The institution at which the work was made	International Mining Symposium Exploration, exploitation and processing of solid raw materials, Dubrovnik, ISSN 1846-2766, pages 88-95.
Year and place.	2006, Dubrovnik, Croatia
Title of the work	DETERMINATION OF INDIVIDUAL PARAMETRES OF TRUCKS TRANSPORT ON THE BASIS OF DATA CPLLECTED WITH PORTABLE GPS RECEIVE, Mašić S., Bečić M., Čeliković R.
The institution at which the work was made	Proceedings, 38th International October Conference on Mining and Metallurgy, Donji Milanovac, ISBN 86-7827-019-5, COBISS. SR-ID 134125324, page 147-157.

Year and place.	2006, Donji Milanovac, Serbia
Title of the work	ANALYSIS THE OPERATING PARAMETERS OF БелАЗ TRUCK AT THE OPEN PITS OF THE BROWN COAL MINE "BANOVICI" BASED ON PROCESSOR DATA, Mašić S., Brčanić M.
The institution at which the work was made	Mining & Metallurgy Engineering Bor, MINING AND METALLURGY INSTITUTE BOR, ISSN 1451-0162, ISSN 23334-8836, COBISS. SR-ID 201387788, pages 29-48.
Year and place.	2013, Bor, Serbia
Title of the work	EFFICIENCY OF THE TRANSPORT SYSTEM OPERATION IN SEPARATION AT THE OPEN PIT "DIMNJAČE", Rusmir Razić, Sunčica Mašić, Muhidin Brčanić, Nedžad Alić
The institution at which the work was made	MINING AND METALLURGY ENGINEERING BOR, ISSN 2334-8836 (Printed edition) ISSN 2406-1395 (Online), Journal indexing in SCIndex and ISI.
Year and place.	1 - 2/2021, Bor, Serbia
Title of the work	Hydraulic Analysis of Stationary Phenomena in Gravitational Transport of Salt Water by Pipeline, Selma Muhtarević, Sunčica Mašić, Nedžad Alić, Fazila Bećarević
The institution at which the work was made	MINING AND METALLURGY INSTITUTE BOR, ISSN 2334-8836 (Printout) ISSN 2406-1395 (Online), UDC: 621.967.2:622.272(045)=111, doi:10.5937/MMEB1602055M
Year and place.	2016, Bor, Serbia
Title of the work	FUEL CONSUMPTION OF THE BELAZ DUMP TRUCKS ON AN EXAMPLE OF THE OPEN PIT "TURIJA" OF THE BROWN COAL MINE BANOVICI, Jasmin Jamaković, Sunčica Mašić
The institution at which the work was made	MINING AND METALLURGY INSTITUTE BOR, ISSN 2334-8836 (Printed) ISSN 2406-1395 (Online), UDK: 622.271/.68:662.75(045)=111, doi: 10.5937/mmeb2104029J
Year and place.	2021, Bor, Serbia
Title of the work	CARBON DIOXIDE EMISSION OF A BELAZ DUMP TRUCK ON AN EXAMPLE OF THE OPEN PIT "TURIJA" BROWN COAL MINE BANOVICI, Jasmin Jamaković, Sunčica Mašić
The institution at which the work was made	MINING AND METALLURGY INSTITUTE BOR, ISSN 2334-8836 (Print) ISSN 2406-1395 (Online), UDK: 622.271/.68:662.75(045)=111, doi: 10.5937/mmeb2201009J
Year and place.	2022, Bor, Serbia
Title of the work	FUEL CONSUMPTION OF BELAZ DUMPERS AND CARBON DIOXIDE EMISSIONS USING THE EXAMPLE OF OPEN PIT 'TURIJA' OF THE BROWN COAL MINE BANOVICI, Jasmin Jamaković, Sunčica Mašić
The institution at which the work was made	JOURNAL OF FACULTY OF MINING, GEOLOGY AND CIVIL ENGINEERING • 12/2024, DOI 10.51558/2303-5161.2024.12.12.77
Year and place.	2024., Tuzla
Title of the work	A TIME PICTURE OF WORK AND TRANSPORTATIONAL COMPLEX DOWNTIME/FAILURE ON SEPARATION OF SC COAL MINE "GRAČANICA" LLC GORNJI VAKUF – USKOPLJ
The institution at which the work was made	JOURNAL OF FACULTY OF MINING, GEOLOGY AND CIVIL ENGINEERING • 11/2023, DOI 10.51558/2303-5161.2023.11.11.24
Year and place.	2023., Tuzla
<b>Selected publications and presentations</b>	
Publication title	Functional Relationships of Input and Process Parameters in the Formation of a Universal Mathematical Model of Hydrotransport in Mining, PhD Thesis 622.68(043.3) COBISS. BH-ID 1024032254
Authors	Sunčica Mašić

Publisher, year and place	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, 2001, Tuzla
Publication title	Specifics of Transport and Transportability of Mineral Raw Materials in the Preparation of Mineral Raw Materials, Master's Thesis of COBISS. BH-ID - 2440983
Authors	Sunčica Mašić
Publisher, year and place	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, 1995, Tuzla
Publication title	Analysis of parameters about working the truck transport obtained from different sources in Black Coal Mine Banovici",
Authors	Mašić S., Brčanić M., Kudumović Dž., Čeliković R., Lapandić I
Publisher, year and place	TTEM, TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT, Sarajevo, Volume 6 Number 1, ISSN 1840-1503, pages 191-196., 2011, Sarajevo

#### **Selected projects and presentations**

Name	«Study on Optimization of Transport for Coal Production in RMU «BANOVICI», Hodžić S., Mašić S. RGGF, 2004, Tuzla
Name	Preliminary design, phase 1.b, lot II: 18+492.730 to 32+610, contract number 01-02.1-4021/08, Consortium of Faculty of Mining, Geology and Civil Engineering Tuzla, Lineal d.o.o Maribor, IRGO consulting Ljubljana d.o.o., Gradis design bureau Maribor d.o.o.
Name	Feasibility study of the Orašje (Sava River) – Tuzla (Šićki Brod) motorway, 61 km long,
Name	Bilateral research project Mass use of anchors in underground facilities in Bosnia and Herzegovina, University of Ljubljana Faculty of Natural Sciences and Engineering Tuzla, number:nd 39/08, from 26.08.2008.

#### **Acknowledgments and awards**

Name
Institution
Origin (reason)

#### **Membership in professional associations**

Name of the association / association
Brief description of the association / association
Position in the Association

#### **Participation in the teaching process**

For the current academic year.	Lectures on courses: Flotation and agglomeration, Drainage, Dewatering processes in the preparation of mineral raw materials, Mining machinery, Material handling and delivery, Safety in transport systems, Specifics of transport in mining, Transport of fluids, Transport and export, Transport in mining, Modern building materials
In previous academic years	Continuous Transport,Cyclic Transport,, Drainage, Export, Fluid Transport, Fluid Transport I and Fluid Transport II, Building Materials III, Modern Building Materials, ,Final Processing of Mineral Raw Materials, Technical Materials Technology, Hydraulic Transport, Hydraulic and Pneumatic Transport, Transport



and Export I, Transport and Export II, Preparation of Mineral Raw Materials,  
Resistance of Materials

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**1. M.Sc. Edin Lapandić, dipl. ing. Mining**

- Decision No. 03-300-8.3.3/07 of 24.01.2007 (Member of the Commission for Evaluation of Conditions of Candidates mr.sc. It's the only one, dipl. ing. Mining for obtaining the scientific degree of Doctor of Science and the suitability of the topic for the preparation of a doctoral dissertation)
- Decision No. 03-1380-12.6.1/07 of 24.04.2007 (appointment of mentor Dr. sc. Sunčica Mašić, Assoc. Prof. professor in assisting in the preparation of a doctoral dissertation to the candidate mr.sc. I'm the only one with a dipl. ing. mining)
- Decision No. 03-1700-10.2.7/08 of 26.03.2008 (Member of the Committee for the Evaluation of the Doctoral Dissertation of the Candidate mr.sc. It's the only one in the world, dipl. ing. mining)
- Decision No. 03-4425-10.1.3/08 of 10.06.2008 (member of the Committee for the defense of the doctoral dissertation of the candidate mr.sc. It's the only one, dipl. ing. mining)

The candidate, mr. sc. Edin Lapandić, dipl. ing. On July 11, 2008, he publicly defended his doctoral dissertation entitled: "Technical and technological aspects of functional connections between elements of atypical loading and transport complexes, in the exploitation of parts of open-pit coal mines"

**2. M.Sc. Šefik Suljić, dipl. ing. Mining**

- Decision No. 03-3460-8.3.2/06 of 31.05.2006 (Member of the Commission for evaluation of the conditions of the candidate mr.sc. Šefik Suljić, B.Sc. in Mining for obtaining the scientific degree of Doctor of Science and the suitability of the topic for the preparation of the doctoral dissertation)
- Decision No. 03-6290-12.2.2/08 of 15.09.2008 (member of the Committee for the evaluation of the doctoral dissertation of the candidate mr.sc. Šefik Suljić, B.Sc. in Mining)
- By the Decision on Amendments to the Decision on Granting Prior Consent for the Appointment of a Mentor No. 03-7953-15/07 of 21 November 2007 (the Senate of the University of Tuzla gives prior consent for the appointment of a mentor dr.sc. Sunčica Mašić, Assoc. Prof. professor in order to provide assistance to the candidate Šefik Suljić, dipl. ing. mining, in the preparation of his doctoral dissertation entitled: Optimization of the transport of tailings and coal at the open-pit mine "Dubrave" in Dubrave)
- Decision No. 03-8495-11.1.3/08 dated 26.11.2008 (Member of the Committee for the defense of the doctoral dissertation of the candidate mr.sc. Šefik Suljić, B.Sc. in Mining)

The candidate, mr. sc. Šefik Suljić, dipl. ing. On December 26, 2008, the Ministry of Mining publicly defended his doctoral dissertation entitled: "Optimization of the transport of tailings and coal at the open-pit mine "Dubrave" in Dubrave.

**3.Mr. sc. Ibrahim Lapandić, B.Sc. ing. Mining**

- Decision No. 03-1655-3.2.3/08 of 10.03.2008 (Member of the Commission for Evaluation of Conditions of Candidates mr.sc. Ibrahim Lapandić, dipl. ing. Mining for obtaining the scientific degree of Doctor of Science and the suitability of the topic for the preparation of a doctoral dissertation)
- Decision No. 03-3565-13.5.1/08 of 19.05.2008 (appointment of mentor Dr. sc. Sunčica Mašić, Assoc. Prof. professor in assisting in the preparation of a doctoral dissertation to the candidate mr.sc. Ibrahim Lapandić, dipl. ing. mining)
- Decision No. 03-4590-10.3.6/11 of 27.06.2011 (member of the Committee for the evaluation of the doctoral dissertation of the candidate mr.sc. Ibrahim Lapandić, dipl. ing. mining)
- Decision 03-8605-12.1.4/11-10.3.6/11 of 19.10.2011 (Member of the Committee for the defense of the doctoral dissertation of the candidate mr.sc. Ibrahim Lapandić, dipl. ing. mining)

The candidate, mr. sc. Ibrahim Lapandić, B.Sc. ing. On December 3, 2011, the Faculty of Mining publicly defended his doctoral dissertation entitled: "Functional Compliance of Excavator-Truck Loading-Transport Complexes in Dependence on Spatio-Temporal Information of Truck Transport Monitoring at PK RMU Banovići".

### **Master's thesis/Final master's thesis (mentorship)**

1. Mehmed Varupa, dipl. Mining Engineering: Selection of the most favorable solution for the transport of coal from the northern field of the "Grahovčiči" pit to the separation of RMU "Abid Lolić" Bila, master's thesis, RGGF, 2005, Tuzla
2. Alma Bečić, B.Sc. ing mining: Analysis of the efficiency of truck transport work on open-pit mines RMU Banovići, master's thesis, RGGF, 2010., Tuzla
3. Ferzad Memić, dipl. Mining Efficiency: Efficiency of the Transport System of the BTO Complex at the Šikulje Open Pit: Master's thesis, RGGF, 2012, Tuzla
4. Selma Muhtarević, bachelor of mining: Hydraulic phenomena in gravity pipeline transport of brine from the Tuzla Salt Mine to consumers: master's thesis, RGGF, 2015, Tuzla
5. Rusmir Razić, dipl. ing mining: Efficiency of continuous conveyors on coal separation PK "Dimnjače" D.O.O. Gornji Vakuf – Uskoplje, master's thesis, RGGF, 2015., Tuzla
6. Ermin Delibašić, dipl. Mining operations: Indicators of railway transport of coal on the route PK "Vrtilište" - separation "Čatići", master's thesis, RGGF, 2016, Tuzla
7. Jasmin Jamaković, B.Sc. Mining operations: Fuel consumption of BelAz dumpers and carbon dioxide emissions on the example of PK "Turija" RMU Banovići, master's thesis, RGGF, 2022, Tuzla

<b>Scientific Research Projects and Studies</b>	"Supplementary Mining Project: Introduction of a System for Monitoring and Control of a Part of the Technological Process of RMU Banovići", RMU 'Banovići' in Banovići, August 2008 Task leader Samir Nurić, associates: A. Nurić, R. Čeliković, S. Mašić, M. Brčanić. Content: Due to the fact that the mine plans to introduce dispatching of part of the technological processes, the above project has been done. The project was primarily based on monitoring the mechanization of open-pit mines (excavators, trucks, bulldozers,...), but it also gave the possibility of introducing a system of monitoring and supervision of the mine fleet. The technique and technology of the processing system using GPS devices and adequate data transfer via SMS, their processing in real time, as well as the creation of subsequent reports, are elaborated in detail. All the possibilities and advantages were presented, as well as the possible savings achieved for the company of such a system of supervision and management of equipment at the mine. Position: In the project, in charge of the technique and technology of introducing monitoring and control equipment.
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### **Published books**

Book title	Drainage in mining
Authors	Hodžić Sadudin, Mašić Sunčica
Publisher, Year and Place of Publication of the Book	Faculty of Mining, Geology and Civil Engineering, University of Tuzla, Tuzla 1996.
Book title	Hydraulic transport
Authors	Mašić Sunčica
Publisher, Year and Place of Publication of the Book	Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, 2004. Sarajevo 622.648.2 (075.8) ISBN 9958-628-09-0, COBISS. BH-ID 14078214
Book title	A collection of solved problems from transport in mining

Authors	Mašić Sunčica
Publisher, Year and Place of Publication of the Book	Faculty of Mining, Geology and Civil Engineering, University of Tuzla, 1999
Book title	A collection of solved problems from the resistance of materials and the theory of elasticity
Authors	Hodžić Sadudin, Mašić Sunčica
Publisher, Year and Place of Publication of the Book	Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, 2004.
Book title	A collection of solved problems from continuous transport in mining
Authors	Hodžić Sadudin, Mašić Sunčica
Publisher, Year and Place of Publication of the Book	Faculty of Mining, Geology and Civil Engineering, Tuzla, University of Tuzla, 2004.
Book title	CYCLIC TRANSPORT
Authors	Sadudin Hodžić, Sunčica Mašić
Publisher, Year and Place of Publication of the Book	Copygraf, Tuzla, 2008, ISBN 978-9958-9067-4-9, COBISS. BH-ID 17093638
Book title	THE TRANSPORT OF FLUIDS AND
Authors	Sunčica Mašić, Sadudin Hodžić
Publisher, Year and Place of Publication of the Book	Copygraf, Tuzla, 2008., ISBN 978-9958-9067-5-6, COBISS. BH-ID 17093382
Book title	HYDRAULIC AND PNEUMATIC TRANSPORT OF MATERIALS IN MINING
Authors	Sunčica Mašić, Nedžad Alić
Publisher, Year and Place of Publication of the Book	Copygraf, Tuzla, 2011., ISBN <u>978-9958-9067-7-01.COBISS</u> . BH-ID 18591238.

### Personal Skills and Competencies

Mother tongue **Bosnian**

Other languages

Understanding		Speech		Writing
Hearing	Reading	Speech interaction	Speech	

**English language**  
**Russian Language**

Good	Good	Good	Good	Good
Very good	Very good	Very good	Very good	Very good

### Scientific, professional and social competencies

Competencies for conducting scientific research and teaching in higher education	I am a participant in classes in the field of: transport, export, drainage in mining, preparation of mineral raw materials, and I have knowledge in mining acquired through additional and postgraduate studies at the Faculty of Mining, Geology and Civil Engineering.
Competencies for participation in scientific research projects	In scientific research, I am engaged in the fields of transport and drainage in mining
Scientific research interest (occupation) and current training	Scientific research interest is primarily in the field of application of new technologies in mining
Planned training	AI teaching, using AI in teaching

Organizational Skills and Competencies	Organizational skills are manifested through the organization of classes and exercises with a large number of students and their engagement through project assignments and seminar papers. I have a special preference for teamwork, because I believe that in this way you can achieve more and better finish any set task.
Technical skills and competences	The mastered technical skills are primarily related to the methodologies of mathematical calculations related to mining and their implementation through computer programs.
Computer skills and competencies	The complete work refers to the application of computers from basic work with operating systems, application software as well as software for engineering calculations. Especially mastered work with Windows OS, Microsoft Office, Microsoft Visual Studio with programming languages Visual Fortran, Visual Basic, MapInfo
Artistic skills and competencies	Amateur painting