

**Academic
curriculum vitae**



Personal information

Name and surname	Edisa Nukić
Addresses	Krečanska 17, 75000 Tuzla
Phones	+387 35 320 565
Fax	+387 35 320 570
E-mail/Web	edisa.nukic@untz.ba / www.rggf.untz.ba
Nationality	BiH
Date of birth	March 31, 1974
Gender	Female

Current workplace/position/title	University of Tuzla-RGGF / Associate Professor / Doctor of Technical Sciences
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Work experience

Dates	Oct 2022 - present
Position / occupation / title	Associate Professor
Basic responsibilities and duties	Conducting classes, working with colleagues, supervising students during the preparation of the final master's thesis, improvement of the curriculum, organization and implementation of scientific research work; Head of the Department; Head of the international project (Erasmus+)
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher education, scientific research
Dates	Oct 2017 – Oct 2022
Position / occupation / title	Assistant professor
Basic responsibilities and duties	Conducting classes, working with colleagues, supervising students during the preparation of the final master's thesis, work on improving the curriculum and program, organizing and implementing scientific and research work
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher education, scientific research
Dates	May 2013 – Oct 2017
Position / occupation / title	Senior Assistant
Basic responsibilities and duties	Preparation and implementation of tutorials/seminars, consultations with students, participation in exams, work on own professional development

Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher education, scientific research
Dates	May 2009 - May 2013
Position / occupation / title	Assistant
Basic responsibilities and duties	Preparation and implementation of tutorials/seminars, consultations with students, participation in exams, work on own professional development
Employer name	Faculty of Mining, Geology and Civil Engineering, University of Tuzla
Type of business activity of the employer	Higher education, scientific research
Dates	Feb 2012 – Dec 2013
Position / occupation / title	Quality management systems consultant
Basic responsibilities and duties	Consulting for quality management systems in accordance with the requirements of international standards of the ISO 9000 series and other complementary standards (EN ISO 9001:2008; EN ISO 14001:2004; ISO/IEC 17025:2005; OHSAS 18001:2007)
Employer name	IDEA Co, Gračanica
Type of business activity of the employer	Consulting agency
Dates	Jan 1996 – Jul 2007
Position / occupation / title	Senior administrative specialist
Basic responsibilities and duties	Administrative and translation tasks
Employer name	Kellogg Brown & Root, Inc (USA)
Type of business activity of the employer	Logistical support to the US Army
Dates	Sep 1992 – Jan 1997
Position / occupation / title	Journalist/translator
Basic responsibilities and duties	Journalism and translation tasks
Employer name	RTV Lukavac, Lukavac
Type of business activity of the employer	Municipal Secretariat for Budget, Social Activities and Administration Lukavac

Education and Training

Dates	2015 – 2017
Qualification acquired	Doctor of Technical Sciences
Field of science and profession, acquired titles and skills	Field of technological processes (diploma number: 56/2017, dated February 17, 2018)
Name and type of organization	Faculty of Mechanical Engineering, Džemal Bijedić University in Mostar
Dates	2008 – 2011
Qualification acquired	Master of Technical Sciences
Field of science and profession, acquired titles and skills	Field of safety engineering (diploma number: 8/292-V, dated November 25, 2011)
Name and type of organization	Faculty of Mining, Geology and Civil Engineering, University of Tuzla

Dates	2004 - 2008
Qualification acquired	VII level of higher education – Graduate engineer
Field of science and profession, acquired titles and skills	Graduated Safety Engineer
Name and type of organization	Faculty of Mining, Geology and Civil Engineering, University of Tuzla

Dates	1988 – 1992
Qualification acquired	IV degree
Field of science and profession, acquired titles and skills	Electronics technician
Name and type of organization	Electrical Engineering School, Secondary School Center, Lukavac

Dates	March 2011 - May 2011
Qualification acquired	Certificate of professional development
Field of science and profession, acquired titles and skills	Professional training program from the Pedagogical-psychological-didactic-methodical group of subjects
Name and type of organization	Faculty of Philosophy, University of Tuzla, Tuzla

Dates	March 2018
Qualification acquired	Certificate of participation
Field of science and profession, acquired titles and skills	Training within the Erasmus+ K-FORCE project SMS (Mobility Strand) teaching staff exchange scheme - in the field of fire protection and risk management
Name and type of organization	DTU - Technical University of Denmark, Kgs. Lyngby, Denmark

Dates	May 2018
Qualification acquired	Certificate of participation
Field of science and profession, acquired titles and skills	Training within the Erasmus+ K-FORCE project SMS (Mobility Strand) teaching staff exchange scheme - "Fire Safety Engineering - Fire Modelling" training
Name and type of organization	Faculty of Security Engineering, University of Žilina, Žilina, Slovakia

Dates	May 2025
Qualification acquired	Certificate of participation
Field of science and profession, acquired titles and skills	Training in the field of "Disaster Risk Reduction and Climate Change Adaptation and Teaching Methodologies" within the Erasmus+ 1FUTURE Project
Name and type of organization	LUND University, Faculty of Engineering, Lund, Sweden

Scientific works within formal education

Name of work/paper	Doctoral dissertation "Risk Assessment of Ventilation System Elements Failure in Isolated Rooms of Underground Coal Mines"
Institution	"Džemal Bijedić" University in Mostar, Faculty of Mechanical Engineering, COBISS.BH-ID 513402575
Year and place	2017, Mostar

Name of work/paper	Master's thesis "Risk Assessment and Crisis Management in Tunnels on Main Roads in the Federation of Bosnia and Herzegovina"
Institution	University of Tuzla, Faculty of Mining, Geology and Civil Engineering, COBISS.BH-ID - 3209239
Year and place	2011, Tuzla
Publications	
Publication title	Quality assurance of ventilation systems in underground coal mines
Authors	Delić E., Todorović N., Šišić R., Nukić E.
Publisher, year and place	5th Research/expert Conference with international participation "QUALITY 2007", ISSN 1512-9268, 2007, Neum
Publication title	Impact of External Factors to the Internal Quality Assurance in Higher Education in Bosnia and Herzegovina
Authors	Delić E., Osmančević E., Nukić E.
Publisher, year and place	5th Research/expert Conference with international participation "QUALITY 2007", ISSN 1512-9268, 2007, Neum
Publication title	Safety in practice: some experiences and observations of working in an international environment according to US standards
Authors	Nukić, E.
Publisher, year and place	RGGF Tuzla, Proceedings of RGGF, issue XXXIV, 2007 Tuzla
Publication title	Numerical simulation of different fire scenarios in Vranduk 2 tunnel
Authors	Nukić E. , Šišić R., Delić E., Adilović A.
Publisher, year and place	International conference "Innovation as a function of engineering development", ISBN 978-86-80295-98-5, 2011, Niš
Publication title	Thermographic Detection of Spontaneous Oxidation in Underground Coal Mines
Authors	Delić E., Savatić A., Todorović N., Šišić R., Nukić E.
Publisher, year and place	8th Research/expert Conference with international participation "QUALITY 2013", ISSN 1512-9268, 2013, Neum
Publication title	Analysis and prevention of forest fires in Tuzla Canton
Authors	Avdić S., Berbić N., Malkočević D., Nukić E.
Publisher, year and place	1st Online International Conference on Forest and Agricultural Fires as one of the important causes of climate change FIRES 2014", 2014, Bihać
Publication title	Preliminary flood risk assesment for Municipality Lukavac
Authors	Marković J., Nukić E. , Delmanović M.
Publisher, year and place	Proceedings of International Conference on Innovative Technologies in Safety Engineering), ISBN 978-953-56789-8-4, 2015 Rijeka (pp. 31-35)
Publication title	Mining-Forensic Characteristics of Coal Mining Impact Assessment
Authors	Delić E., Nukić E. , Karadžin Z., Fejzić S.
Publisher, year and place	GEOEXPO 2015 - Scientific and Expert Conference, ISSN 2303-4262, Zenica Bosnia and Herzegovina, 2015
Publication title	Kinematic Analysis of Influence of the Longwall Advance Dynamics to the Coal Spontaneous Combustion
Authors	Todorović N., Delić E., Šišić R., Nukić E.

Publisher, year and place	Journal of Faculty of Mining, Geology and Civil Engineering; Vol. 2015/3, pp. 27-40; ISSN 2303 – 5145, 2015 Tuzla
Publication title	Comparative Analysis of Site Characterization for Storage and Deposition of Radioactive Waste on Location Trgovska Gora: What Went Wrong?
Authors	Delić E., Dizdarević E., Softić A., Nukić E.
Publisher, year and place	3rd International Scientific Meeting E-GTZ 2016; Journal of Faculty of Mining, Geology and Civil Engineering; Vol. 2016/4; ISSN 2303 – 5161, 2016 Tuzla
Publication title	Specificity of Fire Fighting in Coal Outcrops and Dumpsites with High Content of Materials Prone to Spontaneous Oxidation
Authors	Nukić E. , Delić E.
Publisher, year and place	16th International Scientific Conference on Safety Engineering (Fire, Environment, Work Environment, Integrated Risk); Book of proceedings, 2018, Novi Sad
Publication title	The Role of Social Networks in Preparedness and Response to Disasters
Authors	Resimić N., Laban M., Nukić E.
Publisher, year and place	2nd international symposium: Knowledge for Resilient Society K-FORCE 2019; Book of proceedings, ISBN 978-9928-135-31-5, 2019, Tirana
Publication title	Simulation Analysis of Underground Coal Mine Ventilation Systems Failure
Authors	Nukić E. , Delić E.
Publisher, year and place	Conference ("New Technologies, Development and Applications" NT 2021) paper in book: New Technologies, Development and Application IV (pp 374–384), Publisher: Springer, Cham; DOI: 10.1007/978-3-030-75275-0_42, 2021, Springer Nature Switzerland
Publication title	Minimum Ignition Energy of Lignite and Brown Coal Dust Clouds in Coal with and without Interlayers
Authors	J.Marković, S.Mičević, M.Delalić, E.Nukić
Publisher, year and place	Journal of Faculty of Mining, Geology and Civil Engineering, 9/2021 str.98-106
Publication title	Assessing Possibility of Using Inert Dust for Explosion Protection in Brown Coal Mines
Authors	J.Marković, K.Bajramović, E.Nukić , Z.Karadžin
Publisher, year and place	8 th International Scientific Conference: Safety Engineering Conference with International Participation on Fire and Explosion Protection, 2022 At: Budva, Montenegro.
Publication title	Comparative Analysis of Numerical Methods for Public Buildings Fire Risk Assessment
Authors	E. Nukić , J.Marković, Z.Karadžin, S.Mekić
Publisher, year and place	8 th International Scientific Conference: Safety Engineering Conference with International Participation on Fire and Explosion Protection, 2022 At: Budva, Montenegro.
Publication title	Safety Risk Management in BiH Coal Mines - Objective Need or a Burden

	https://www.researchgate.net/publication/367022995 SAFETY RISK MANAGEMENT IN BIH COAL MINES - OBJECTIVE NEED OR A BURDEN
Authors	E.Nukić , E.Delić, R.Šišić, J.Marković
Publisher, year and place	Journal of Faculty of Mining, Geology and Civil Engineering pp.31-40, DOI: 10.51558/2303-5161.2022.10.10.31, 10/2022
Publication title	Proposal of a Feasible Energy Mix in Bosnia And Herzegovina https://www.researchgate.net/publication/363896172 PROPOSAL OF A FEASIBLE ENERGY MIX IN BOSNIA AND HERZEGOVINA
Authors	Z.Karadžin, A.Mostarlić, E.Nukić , J.Marković
Publisher, year and place	8 th International Scientific Conference: Safety Engineering Conference with International Participation on Fire and Explosion Protection, 2022 At: Budva, Montenegro.
Publication title	Professional Exposure of Workers to Inhalable Dust in Wood Processing Sector https://www.researchgate.net/publication/364165911 PROFESSIONAL EXPOSURE OF WORKERS TO INHALABLE DUST IN WOOD PROCESSING SECTOR
Authors	J.Marković, S.Mičević, E.Nukić
Publisher, year and place	8th International Professional and Scientific Conference Occupational Safety and Health, pp. 473-479, ISSN 2975-3139, 2022, Zadar, Croatia
Publication title	Challenges in Flood Risk Management in Bosnia And Herzegovina
Authors	E.Nukić , J.Marković, F. Žepić
Publisher, year and place	Conference: 8th Scientific-professional conference SECURITY AND CRISIS MANAGEMENT -THEORY AND PRACTICE / International Forum "Safety for the Future" 2022At: Sremska Kamenica, Republic of Serbia, DOI: 10.70995/MJYJ4951
Publication title	Improvement of Technical Measures for Procedures in Accidents on Gas System
Authors	Karadžin Z., Burek H., Nukić E.
Publisher, year and place	JOURNAL OF FACULTY OF MINING, GEOLOGY AND CIVIL ENGINEERING, 11(11):33-42; DOI: 10.51558/2303-5161.2023.11.11.33, 2023 Tuzla
Publication title	Analysis and Remediation of Endogenous Fire at Longwall Total Coal Thickness Mining of the Main Coal Seam in Raspotočje Mine of Zenica Brown Coal Mines
Authors	J.Marković, R.Kurbašić, Z.Karadžin, E.Nukić
Publisher, year and place	Journal of Faculty of Mining, Geology and Civil Engineering, DOI: 10.51558/2303-5161.2024.12.12.52, 12/2024 https://rggf.ba/glasnik/2024-12/ERAD_7a.pdf
Publication title	Comparative Analysis of Sustainability Practices in Western Balkans https://untz.ba/wp-content/uploads/2025/04/The-Albanian-Journal-of-EconomyBusiness_SpecialIssue_1Future.pdf
Authors	E.Nukić , J.Marković i dr
Publisher, year and place	1Future Issue: Climate and Sustainability, THE ALBANIAN JOURNAL OF ECONOMY & BUSINESS, No.1, 2025., pp. 44-56, ISSN 2219-3200
Publication title	GIS-based Flood Vulnerability Assessment in Spreca River Basin https://untz.ba/wp-content/uploads/2025/04/The-Albanian-Journal-of-EconomyBusiness_SpecialIssue_1Future.pdf
Authors	E.Fehratbegović, J.Marković, E.Nukić
Publisher, year and place	1Future Issue: Climate and Sustainability, THE ALBANIAN JOURNAL OF ECONOMY & BUSINESS, No.1, 2025., pp.56-71, ISSN 2219-3200

Recognitions and awards

Title	TWO SILVER AND ONE GOLD PLAQUE OF THE UNIVERSITY OF TUZLA
Institution	University of Tuzla
Reason	Recognition for success achieved during studies (average grade above 9)

Membership in professional associations

Name of the association	The Institute for Standardization of Bosnia and Herzegovina, BAS/TC 13 Fire protection
Brief description of the association	The Institute for Standardization of Bosnia and Herzegovina is an independent state administrative organization for tasks in the field of standardization. Technical Committee TC13 - field of fire protection and firefighting, personal equipment of firefighters, terminology, classification and symbols.
Association address / web reference	Trg Ilidžanske brigade 2b, 71123 Istočno Sarajevo / https://isbih.gov.ba/hr/p/tehnicki-komiteti/16
Position in the association	Member
Name of the association	Chamber of Engineers FBiH, Safety engineers' section
Brief description of the association	The Chamber of Engineers of the Federation of Bosnia and Herzegovina is a professional association of engineers; in the organizational and functional sense, it is organized through professional main sections. The safety engineers section brings together Occupational safety engineers, Fire protection engineers, Safety and traffic engineers, and Occupational and environmental safety engineers.
Association address / web reference	Trg Ilidžanske brigade 2b, 71123 Istočno Sarajevo / https://ikfbih.ba/maticna-sekcija-inzinjera-sigurnosti/
Position in the association	Vice President of the Section

Participation in the teaching process

For the current academic year	I cycle of studies: Civil protection; Personal and collective protective means and equipment; Ergonomics in safety; Chemical, biological and radiation hazards and II study cycle: Risk analysis in the decision-making process
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Mentorships

Master's theses:

"Comparative Analysis of Methods for Assessing Fire Vulnerability in Public Buildings"

Final Master Thesis defended on May 20, 2022, by candidate Silvana Mekić, Graduate engineer in Safety engineering

"Comparative Analysis of Flood Risk Management Systems in Bosnia and Herzegovina and the European Union"

Final Master Thesis defended on September 19, 2022, by candidate Fahreta Žepić, Bachelor of Mining Engineering.

"The impact of information technology on the effectiveness of the humanitarian response of the Red Cross of Bosnia and Herzegovina"

Final Master thesis defended on June 3, 2025. year, candidate Abdurahman Aljić, Bachelor of Mining Engineering

"Systems and devices for fire detection and extinguishing in Arcelormittal Zenica with an aspect of high-voltage cable tunnels"

Final Master thesis defended on 04.06. In 2025, candidate Adnan Delić, Bachelor of Safety Engineering

Scientific Research Projects

Development of a Monitoring System to Counter manage the Risks of Subsidence

Deformation on the Population of Tuzla (Bosnia) – www.demos.ba

Investor: NATO Science for Peace, 2008-2010

Detailed terrain prospection, complex geological, geophysical, and hydrological investigations, risk analysis, and development of a risk map of an urban area affected by subsidence.

Youth Scientific and Research Camp „NIK project “

Investor: US Embassy in BiH, 2016

Many participants from various countries and institutions took part in the project. The project's goal was to strengthen connections among young people through their work on it. The project included several research topics that young people addressed through fieldwork, laboratory work, and professional assignments.

ERASMUS + K-FORCE „Disaster risk management and fire safety engineering “

It brings together 18 partner institutions and 3 associated partners from 8 EU and regional countries (Universities from Sweden, Germany, Italy, Bosnia and Herzegovina, Serbia, Albania, North Macedonia, Montenegro).

This is an EU-funded project, lasting from 2016-2019.

The project aimed to establish a **postgraduate study program** and later a **doctoral study program** in the field. The curriculum is harmonized across all participating faculties in Bosnia and Herzegovina, Serbia, Albania, and North Macedonia, coordinated by universities from Denmark, Sweden, and Slovakia.

RESPONSa (Interreg IPA Cross-border Cooperation Programme Croatia-Bosnia and Herzegovina-Montenegro 2014-2020)

The RESPONSa project is aimed at strengthening program objective 2.1, which relates to promoting and improving environmental and nature protection and management systems for risk prevention. Cross-border cooperation involves the joint work of all project partners to establish an early warning system for landslides and torrential floods, which pose a direct threat to the population and their property in inhabited areas. Within the RESPONSa project, the focus is on research related to landslide monitoring using remote sensing methods and monitoring meteorological conditions, as well as determining trigger thresholds at which harmful events are activated.

ERASMUS+ „jOINED For sUsTainability – bUilding climate RESilient communities in WB and EU - 1FUTURE“

Universities from BiH, Serbia, Albania, Macedonia, Montenegro, Sweden, Germany and Italy

EU fund, project duration 2023-2026

The broader goal of the 1FUTURE project is to improve regional capacities in the implementation of the Green Deal goals within the higher education system, initiating actions aimed at the environment, climate change, sustainability and resilience.

The role: Project manager for the University of Tuzla

Published books

Book title

Forenzički inženjering i upravljanje rizicima, Knjiga 2: Vođenje istražnih postupaka.

<https://plus.cobiss.net/cobiss/bh/bs/bib/21227782>

Authors

E. Delić, E. Nukić

Publisher, Year and Place of Publication of the Book

ISBN 978-9958-582-01-1; COBISS.BH-ID 21227782; Tuzla 2014.

Book title

Glossary of Terms in Disaster Risk Management and Fire Safety.

http://www.kforce.gradjevinans.net/images/Fajlovi/glossary/K-Force_Glossary_online_edition.pdf

Authors M. Laban et al. (Z. Karadžin, J. Marković, E. Nukić)
 Publisher, Year and Place of Publication of the Book ISBN 978-86-6022-197-3; COBISS.SR-ID 330486791, Novi Sad 2019.

Book title **Fire safety in buildings: a Western Balkan approach and practice.**
www.kforce.gradjevinans.net/images/Fajlovi/Publications/EBook_Kforce_Fire_safety_in_buildings_EN.pdf

Authors M. Laban et al. (J. Marković, E. Nukić)
 Publisher, Year and Place of Publication of the Book ISBN 978-86-6022-279-6; COBISS. SR-ID 19894025; Novi Sad 2020.

Book title **Bezbednost zgrada od požara, Pristup i praksa zapadnog Balkana;**
http://www.kforce.gradjevinans.net/images/Fajlovi/Publications/EBook_Kforce_Fire_safety_in_buildings_SRB.pdf

Authors M. Laban et al. (J. Marković, E. Nukić)
 Publisher, Year and Place of Publication of the Book ISBN 978-86-6022-292-5; COBISS.SR-ID 21298697; Novi Sad 2020.

Book title **Požarna bezbednost zgrada;**
<https://plus.cobiss.net/cobiss/sr/sr/bib/ubsm/81079817>

Authors M. Laban et al. (J. Marković, E. Nukić)
 Publisher, Year and Place of Publication of the Book ISBN 978-86-6022-531-5; COBISS.SR-ID 81079817; Faculty of Technical Sciences, Novi Sad 2022.

Personal Skills and Competencies

Native language

Bosnian

Other languages

Understanding		Speaking		Writing
Listening	Reading	Speech interaction	Speech	

Engleski jezik

Excellent	Excellent	Excellent	Excellent	Excellent
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Scientific, professional and social competences

Competencies for conducting scientific research and teaching in higher education

Knowledge of fundamental principles and advanced concepts in relevant technical disciplines; knowledge of theoretical frameworks, models and approaches in the field of safety, risk management, crisis management, occupational safety, fire protection and emergency situations.

Guest lecture: Dec 2017 (Erasmus+ KA2 K-FORCE, Staff Mobility for Teaching), University of Novi Sad, Faculty of Technical Sciences, Department of Civil Engineering and Geodesy; Lectures on Risk Communication and Risk Perception

Competencies for participation in scientific research projects

Teamwork, effective cooperation with multidisciplinary teams, understanding of different perspectives and contribution to the common goal of the project. Effective oral and visual presentation of research findings at conferences, seminars and workshops. Participation in the dissemination of knowledge by contributing to the transmission of scientific knowledge to the wider academic and professional community, as well as to practitioners, through workshops, trainings or professional meetings.

Computer skills and

1FUTURE Erasmus+ Project Manager for University of Tuzla
 Microsoft Office; Google Workspace (Docs, Sheets, Slides, Drive) / CFAST

competencies (Consolidated Model of Fire and Smoke Transport)

Tuzla, 04th June 2025

Edisa Nukić PhD