

Academic Curriculum Vitae



Personal Information

Name and surnam	Edin Muratović
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Fax	
E-mail/Web	edin.muratovic@untz.ba
Citizenship	BiH
Date of Birth	22.02.1997. godine
Gender	Male

Present workplace position/occupation	Assistant, University of Tuzla – Faculty of Mining, Geology and Civil Engineering
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Work Experience

Main Responsibilities and Duties	Dates	January 2021
Employer	Position/ occupation	Bachelor – Civil Engineer
Type of business activity of the employer		Preparation of project documentation
		Tehnoplan doo Kalesija
		Design in construction
Main Responsibilities and Duties	Dates	February 2023
Employer	Position/ occupation	Assistant
Type of business activity of the employer		Teaching assistant
		University of Tuzla – Faculty of Mining, Geology and Civil Engineering
		Education and Scientific Research

Education and Training

	Dates	2004-2012
	Qualification Obtained	Primary Education
Field of science and profession, acquired titles and skills		Primary Education
Name and type of organization		JU OŠ „Sapna“, Sapna
	Dates	September 2012. - May 2016.
	Qualification Obtained	Secondary Education – High School Diploma
Field of science and profession, acquired titles and skills		Civil Engineering Technician
Name and type of organization		High school "JUMS Građevinsko-geodetska škola" Tuzla
	Dates	October 2016. - October 2020.
	Qualification Obtained	Bachelor's Degree in Civil Engineering (Diploma number 8/286-III/20, November 18.)
Field of science and profession, acquired titles and skills		Bachelor of Civil Engineering
Name and type of organization		Faculty of Mining, Geology and Civil Engineering, University of Tuzla

Scientific Papers within Formal Education

Name of work/paper	„Numerical analysis of rod according to the large displacement theory“, Demirović B., Osmić N., Muratović E.
Published In	Proceedings of the 8th International Conference "Contemporary Achievements in Civil Engineering", 2021, pp. 285–295
Year and Place	April 2021, Subotica
Summary	The paper presents a procedure for numerical modelling of the geometric nonlinearity of a rod. The calculation of cross-sectional forces, displacements and rotations of nodes was done by iterative methods on a deformed system. By the described procedure, the equilibrium state is established in the finite position of the rod. In the process of deformation, there is an increase in cross-sectional forces and deformation of the rod. The presented calculation methods are used to model geometric nonlinearity with constant and variable stiffness of the cross section of the rod. The calculations were done numerically, and the results were controlled using the SCIA software package. Through numerical examples, the calculation procedure was presented and the analysis of the results was performed.
Comment	
Name of work/paper	„Analysis of material nonlinearity of thin plates according to finite difference method“, Demirović B., Požegić Z., Muratović E.
Published In	THE 9th INTERNATIONAL CONFERENCE "CIVIL ENGINEERING – SCIENCE AND PRACTICE", GNP-2024, str. 195-207
Year and Place	March 2024, Kolašin
Summary	The paper presents an analysis of the material nonlinearity of thin plates loaded vertically to the middle plane of the plate. The problem related to plate bending was solved numerically, by applying the finite difference method. The displacements of the plate at the discretization points are determined using a system of algebraic equations by iterative procedures, and by applying simple iteration methods. The bearing capacity of the cross-section of the plate in the elasto-

plastic region of the material behavior is carried out using the conditions of force equilibrium and cross-section stress. A described procedure models the material nonlinearity of the plates by changing the rigidity of the plate through iterations, thereby establishing a balance between external and internal forces. Using the numerical example has been presented the calculation procedure, and also an analysis has been carried out and comparison of the results obtained in the SCIA Engineer Software Package.

Selected Publications and Presentations

Name
Authors
Publisher, year, and place
Summary
Comment

Selected Projects and Presentations

Name
Authors
Publisher, year, and place
Summary
Comment

Awards and Recognition

Name
Institution
Reason (cause)
Summary
Comment

Membership in Professional Associations

Name of the association
Brief description of the association
Address of the association / web reference
Position in the association
Comment

Participation in the education process

As Assistant / Senior Assistant:

Strength of Materials with Theory of Elasticity I, Concrete Structures I, Concrete Structures II, Mechanics I – Statics, Mechanics II – Kinematics and Dynamics, Structural Statics I, Structural Statics II, Technical Drawing CAD Elements of Building Construction, Bridges I, Seismic Design, Timber Structures I, Steel Structures I, Structural Testing, Composite Structures, Construction Techniques

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

First Cycle of Higher Education

As Assistant Professor

As Associate Professor

As Full Professor

Other

Supervision of Master's and Doctoral Theses

Master's Theses

Doctoral Theses

Research Projects and Studies

Completed Projects

Ongoing Projects

Planned Projects (expected or in preparation)

Personal Skills and Competences

Native language Bosnian

Other Languages

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Speaking	
English	A2	A2		A2	A2

Scientific, Professional and Social Competences

Leading skills in researching and education

Skills in scientific-researching participation

Scientific-researching profession and training Professional development in the field of structural theory

Planned academic advancement	Master's Degree in Civil Engineering – Structural Engineer
Social Skills and Competences	Responsible and reliable
Organizational Skills and Competences	Team-oriented
Technical Skills and Competences	Use of advanced BIM software
Computer Skills and Competences	Proficient in: Microsoft Office, AutoCAD, SAP 2000, SCIA Engineer, IDEA StatiCa, Frilo, Allplan, Advance Steel
Artistic Skills and Competences	
Other Skills and Competences	

Other Information Driving License: C1

Attachments

I, the undersigned, hereby confirm that to the best of my knowledge and on my behalf, the above information is accurate in describing me, my qualifications, and my professional experience to date.

Tuzla, 28 May 2025

BA ing. grad. Edin Muratović