



Nela Milošević

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Gender: Female **Date of birth:** 03/01/1986 **Nationality:** Montenegrin

WORK EXPERIENCE

[22/05/2022 – Current]

Dean of faculty

Faculty of Applied Sciences, University of Donja Gorica

City: Podgorica | **Country:** Montenegro

[15/12/2021 – Current]

Associate Professor

Faculty of Applied Sciences, University of Donja Gorica

City: Podgorica | **Country:** Montenegro

Courses at undergraduate studies: Linear Algebra, Abstract Algebra, Financial Mathematics, Combinatorics, Calculus for economists, Game Theory module within Microeconomics 2 (previously also taught Business Mathematics, Mathematics for Engineers 1, Mathematics for Engineers 2)

Courses at Masters studies: Mathematical probability and statistics at the Faculty of International Economics, Finance and Business, program Statistics; Mathematics for Engineers at the Faculty for Information Systems and Technologies.

EDUCATION AND TRAINING

[01/10/2009 – 06/10/2015]

Doctor of Philosophy

University of Belgrade, Faculty of Mathematics www.matf.bg.ac.rs

City: Belgrade | **Country:** Serbia | **Field(s) of study:** Natural sciences, mathematics and statistics | **Level in EQF:** EQF level 8 | **Thesis:** Analysis of commutative rings by associating simplicial complexes

[09/2004 – 06/2008]

Bachelor in Mathematics

Williams College www.williams.edu

City: Williamstown | **Country:** United States | **Field(s) of study:** Natural sciences, mathematics and statistics: • *Mathematics* | **Final grade:** magna cum laude, 3.93/4 | **Level in EQF:** EQF level 7

LANGUAGE SKILLS

Mother tongue(s): Montenegrin

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Italian

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Matlab/Simulink | R/R Studio/ R Markdown | Wolfram Mathematica | Microsoft Office | Microsoft Word

PROJECTS

- [01/2024 – Current] **Erasmus+ New energy competence system and technology for WB energy stability system curricula reform (NEST4WB)**
- [2023 – 2026] **Erasmus+ project Western Balkan entrepreneurial university alliances - keeping in touch for lifelong relations (AL4LIFE)**
- [2020 – 2023] **Erasmus+ project Development of master curricula in ecological monitoring and aquatic bioassessment for Western Balkans HEIs (ECOBIAIS)**
- [2019 – 2021] **Erasmus+ project Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planing (IESP)**
- [2018 – 2021] **Erasmus+ project: Reforming doctoral studies in Montenegro and Albania- good practice paradigm (MARDS)**

PUBLICATIONS

- [2025] **Simplicial complexes associated to character degrees of solvable groups**
Reference: A. Kostić, N. Milošević, Z. Petrović, Journal of Algebra and its Applications, 2025, preprint
- [2024] **Complexes associated to character degrees**
Reference: A. Kostić, N. Milošević, Z. Petrović, Serbian Mathematical Congress, 19-22 June 2024
- [2024] **Forecasting Meningitis with Machine Learning: An Advanced Classification Model Analysis**
Reference: B. Dobardžić, A. Alibašić, N. Milošević, B. Mališić, M. Vukotić, Mediterranean Conference on Medical and Biological Engineering and Computing, International Conference on Medical and Biological Engineering, MEDICON 23 and CMBEBIH 23, pp 725-731
- [2024] **Thyroid Hormones Parameter-Based Classification of Patient Health Status: An Analysis of Machine Learning Techniques, Mediterranean Conference on Medical and Biological Engineering and Computing**
Reference: Z. Šćekić, L. Filipović, I. Katnić, N. Milošević, S. Šandi, International Conference on Medical and Biological Engineering, MEDICON 23 and CMBEBIH 23, pp 613-619
- [2019] [**Note on the Cyclotomic Polynomial Topologically, Experimental Mathematics**](#)
Reference: A. Kostić, N. Milošević, Z. Petrović, Experimental Mathematics, 01 Nov 2019
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- [2017] [**Ideal Zero-Divisor Complex**](#)

Reference: N. Milošević, Z. Z. Petrović, Journal of Commutative Algebra, Number 2 (2017), 243-261.

[2016] [Order Complex of Ideals in a Commutative Ring with Identity](#)

Reference: Milošević, Z. Z. Petrović, Czechoslovak Mathematical Journal Vol. 65, No. 4, pp 947-952