
DRAGANA KOVAČEVIĆ



Personal data

Date and place of birth: 13 June 1978. Tuzla, Bosnia and Herzegovina

Nationality: Bosnian/Croatian

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Holds a MSc in Mathematics degree from University of Tuzla, Faculty of Natural Sciences and Mathematics (PMF) Bosnia and Herzegovina. First years of her academic career worked in Catholic School Centre Tuzla, Gymnasium Tuzla, as a Teacher of Mathematics. She also worked as part time at University of Tuzla, Tuzla working as a Graduate Teaching Assistant of Mathematics engaged in the following subjects:

- Theory of Numbers (Faculty of Natural Sciences and Mathematics (PMF), Department of Mathematics)
- Mathematics 1, Mathematics 2 (Calculus is included) (Faculty of Mechanical Engineering)
- Mathematics 1, Mathematics 2 (Faculty of Philosophy: Department for Technical Education and Informatics)

From 2007-2022 worked in Catholic School Centre Sarajevo, Gymnasium and elementary school, as a Teacher of Mathematics and Physics.

Current position Second gymnasium Sarajevo, Teacher of Mathematics in MYP IB diploma programme

From February 2019 she also worked as part time teacher at Sarajevo School of Science and Technology, Sarajevo engaged in the following subjects:

- Selected topics in Mathematics at
Computer Science and Electrical Engineering department
- Mathematics for Economics
- Statistics for Economy at Economy department
- Mathematics with Statistic for Pharmacy at Pharmacy department

Especially interested in work with young people, pupils and students putting focus on their personal development. Willing to work in a team and individually with students (to discuss courses, grades, behaviour, and other issues and concerns).

She has published papers at international conferences and journals and is interested in research topics such as: applied mathematics and methodology of teaching mathematics.

1. Education

2020- PhD student at University of Sarajevo, Faculty of Science

2004-2011 University of Tuzla, Faculty of Natural Sciences and Mathematics (PMF) Bosnia

MSc in Mathematics,

Graduated with highest possible grade: 10/10.

(Scientific discipline: Applied mathematics)

Title of MSc degree thesis: *Codes over Chain Rings*

1997-2004 University of Tuzla, Faculty of Philosophy: Department for Mathematics and Physics,
Tuzla, Bosnia and Herzegovina

BS in Mathematics and Physics

1993-1997 Gymnasium Mesa Selimovic, Tuzla, Bosnia and Herzegovina High school

2. Key positions

Second gymnasium Sarajevo, Position: Teacher of Mathematics in MYP IB diploma programme

Date: January 2024-Present

Part time: Sarajevo School of science and technology, CS and Economy department

Position: Graduate Teaching Assistant of Mathematics

Date: March 2019-present

3. Publications

- *“Quantifier Elimination in ACF and RCF”*, M. Udovicic and D. Kovacevic

Springer International Publishing, In: S. Avdakovic (Ed.), *Advanced Technologies, Systems and Applications III IAT 2018, Lecture Notes in Networks and Systems*, vol

60, pp 419-429

- *“Integram and Mathematical puzzle fun “*, D. Kovacevic
Limes, Matematički list Prve bosnjacke gimnazije broj 7, 2017, pp 31-33
- *“Discrete logarithm”* B. Ibrahimasic and D. Kovacevic

MAT-KOL, Vol. XVII (2) (2011), pp 43-52

- *„Method for determination minimum of function without derivatives“* D. Kovacevic and A. Sehanovic, Post Scriptum, 2/2011, pp 41-47
- *„Rules of division“* B. Ibrahimasic, S. Ibrahimasic, D. Kovacevic, A. Sehanovic: Osijecki-matematički list, Vol 11, No. 2, pp 107-112.
- Book review Mirna U. Preparation for Entrance Examination Mathematics, Pearson 2020.

4. Attendance to Conference and Presentation

1. The International Conference MULTI-DIMENSIONAL ASPECTS OF LEARNING AND TEACHING IN SCIENCE AND MATHEMATICS EDUCATION (MALT'14)
3-4 October 2014, Education Faculty Sombor, Sombor, University of Novi Sad, Serbia.
Accepted and presented paper „*Comparison between problem solving and classical form of teaching in the case of number divisibility*“. Coeditor A. Sehanovic
2. Third International Scientific Conference of Pedagogy, Education and Instruction
21-22 October, 2016, Faculty of Science and Education, University of Mostar, Mostar, BIH.
Accepted and presented paper „*Models of curricular integration of teaching mathematics*“
Coeditor A. Sehanovic
3. BMS Mathematical Conference 2018 12-14 July, 2018, PMF Sarajevo, Sarajevo, BIH
Accepted and presented paper “*Quantifier Elimination in ACF and RCF*” Coeditor M. Udovicic
4. Conference on the occasion of World Mathematics Day, Academy of science and arts of Bosnia and Herzegovina, Sarajevo, 14.03.2024. Accepted and presented paper „*Analysis and stability of solution for certain May host-parasitoid model using KAM theory*” coeditors M. Garic Demirovic and M. Nurkanovic

5. Research interests

- Applied mathematics
- Methodology of teaching mathematics
- Pedagogy and didactics of mathematics

5. Special skills

Languages: Bosnian, Croatian, English active and German passive

Computer skills: Word, MS Office, Excel, Power point, Internet, Scientific Work Place
Latex, Mathematics Wolfram, Google Suit, office 365.

