

ZORA GOLUBOVIC

Date of birth: November 27th, 1990

Place of birth: Banja Luka, Bosnia and Herzegovina

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EDUCATION

Doctoral degree studies

2018-today

Dissertation topic: ‘Summation-integration processes on Banach algebras and modules with applications’

163 ECTS, GPA=10/10, additional course: ‘Ergodic theory’

Master degree studies

2015-2018

Faculty of Mathematics, Belgrade University

Theoretical Mathematics and Applications

Master thesis ‘Basics of ergodic theory’, GPA=10/10

Bachelor studies

2009-2015

Faculty of Mathematics, Belgrade University

Theoretical Mathematics and Applications

Bachelor studies finished July 1st, 2015, GPA= 9,62/10 and 246/240 ECTS

Gymnasium, Banja Luka

2005-2009

Participated in regional and republic math competitions, won an international essay-writing competition

Elementary school “Zmaj Jova Jovanovic“, Banja Luka

1997-2005

Finished school as the most successful student, participated in regional, republic and state math and physics competitions

PRAISES

Commendation of Faculty of Mathematics for successful studies (2010, 2011, 2012 and 2013)

LANGUAGES

English, German (DSD-C1), Russian, Italian

SKILL

LaTex, WinGCLC, C, Java, MATLAB/Octave, Mathematica

PUBLICATIONS

Z. Golubovic, 'On calculating sums of slowly convergent series', MAT. KOL. 28 (2022), 124–129. [M53],

Z. Lj. Golubovic, G. V. Milovanovic, 'Quadrature processes for efficient calculation of the Clausen functions', BIT. Num. math. 63 (2023), 1483–1488. [M21, IF 2024: 1.9],

D. R. Jodic, Z. Lj. Golubovic, M. Krstic, S. Milasinovic 'Norm inequalities for the iterated perturbations of Laplace transformers generated by accretive N -tuples of operators in Q and Q^* ideals of compact operators', Annals of Functional Analysis 15, (2024), 283–286. [M21, IF 2024: 1.0],

B. D. Djordjevic, Z. Lj. Golubovic, 'Summation of hyperharmonic series in Banach algebras and Banach bimodules', Filomat 40:2, (2026), 583–600. [M21, IF 2024: 0.9].

CONFERENCES

'On calculating sums of slowly convergent series', Congress of Young Mathematicians, Novi Sad, 2022,
'On calculating sums of slowly convergent series', The XII Symposium "Mathematics and Applications", Belgrade, 2022,
'On some recent results regarding Laplace transform', 15th Serbian Mathematical Congress, Belgrade, 2024,
'Summation techniques in Banach algebras and modules, with applications', The XV Symposium "Mathematics and Applications", Belgrade, 2025,
'Summability methods in the setting of Banach algebras', 7TH International Congress on Mathematics, Thessaloniki, 2026.

I was born in Banja Luka in 1990, where I completed my primary and secondary education. I wanted to be a mathematician ever since I started to learn mathematics. Elementary school education I completed as the most successful student of the year and as a successful participant in regional, republic and state math and physics competitions. The thirst for knowledge only grew stronger through solving problems in math magazines, which led to the continual successful participations in regional and republic math competitions throughout high school.

The result of this, later on, were Bachelor degree, Masters degree and Doctoral studies in the field of Theoretical Mathematics and Applications at the University of Belgrade. During bachelor studies I was awarded the Commendation of Faculty of Mathematics for successful studies (for the year of 2010, 2011, 2012 and 2013). I completed the studies on July 1, 2015 with the grade point average of 9.62/10 and 246/240 ECTS. I completed the Master's Degree Studies in the course of 2015 to 2018 with the grade point average of 10.0, having successfully defended the master's thesis titled 'The Basics of Ergodic Theory'.

From then on, I have been a PhD student and a teaching assistant at the Mathematics Department for Real and Functional Analysis. As of now, I have four published papers, 'On Calculating Sums of Slowly Convergent Series', 'Quadrature Processes for Efficient Calculation of the Clausen Functions', 'Norm inequalities for the iterated perturbations of Laplace transformers generated by accretive N -tuples of operators in Q and Q^* ideals of compact operators' and 'Summing various types of hyperharmonic series in Banach algebras and Banach modules' and five conference participations: Congress of Young Mathematicians, Novi Sad, 2022, The XII Symposium "Mathematics and Applications", Belgrade, 2022, 15th Serbian Mathematical Congress, Belgrade, 2024, The XV Symposium "Mathematics and Applications", Belgrade, 2025 and 7th International Congress on Mathematics, Thessaloniki, 2026.