Bogdan D. Djordjević, PhD – Curriculum Vitae

Basic information.

First name (fathers' name) last name: Bogdan (Dragan) Djordjević.

In Serbian: Bogdan (Dragan) Đorđević.

Date and place of birth: 05th May 1993, Leskovac, Republic of Serbia.

Current residence: Niš, Serbia.

email: bogdan.djordjevic93@gmail.com; bogdan.djordjevic@turing.mi.sanu.ac.rs;

Skills.

Languages: Serbian (native speaker), southern Slavic languages (proficient), English (proficient), French (basic).

Software skills: Microsoft Office software, Matlab, Wolphram Aplha (Mathematica).

Communication skills: Collaborative, resourceful, innovative, experienced lecturer and teacher.

Education.

BA in Mathematics at University of Niš, Faculty of Sciences and Mathematics (from 2012 to 2015), graduated with the perfect GPA (10/10), being the honoring student of class 2015.

MA in Mathematics, Module General Mathematics at University of Niš, Faculty of Sciences and Mathematics (from 2015 to 2017), graduated with the perfect GPA (10/10), being the honoring student of class 2017. Master thesis title „Solving the Sylvester matrix equation " (in Sebian), under the supervision of dr Nebojša Dinčić, full professor at University of Niš, Faculty of Sciences and Mathematics.

DA (PhD) studies in Mathematics at joint program PhD School of Mathematics, Module Mathematical Analysis, which was held in Niš, Novi Sad and Belgrade (from 2017 to 2021). He had completed all exams and research study works with the perfect marks (10/10). He has successfully defended his doctoral dissertation titled „Singular Sylvester equation and its applications "(in English) on February 09th 2021 at University of Niš, Faculty of Sciences and

Mathematics, under mentorship of dr Nebojša Dinčić, full professor at Faculty of Sciences and Mathematics, University of Niš. Doctoral committee:

1. Academician Stevan Pilipović (head of the committee), full professor at Faculty of Sciences and Mathematics, University of Novi Sad.
2. Academician Vladimir Rakočević (member), full professor at Faculty of Sciences and Mathematics, University of Niš.
3. Professor Peter Šemrl (member), full professor at Faculty of Mathematics and Physics, University of Ljubljanja (Slovenia).
4. Professor Snežana Živković-Zlatanović (member), full professor at Faculty of Sciences and Mathematics, University of Niš.
5. Professor Dijana Mosić (member), full professor at Faculty of Sciences and Mathematics, University of Niš.

Awards.

In 2017, Bogdan Djordjević was awarded a plaque from the University of Niš and an award from the City of Niš for being the best graduate student at Faculty of Sciences and Mathematics in that academic year. During his BA and MA studies, Bogdan was a receiver of the national stipend, and the stipend for extraordinary students "Dositej Obradović" funded by the Fond for Young Talents, issued by the Ministry of Youth and Sports, Republic of Serbia.

In 2017 Bogdan was awarded by Mathematical Institute of the Serbian Academy of Sciences and Arts for having the best master thesis in field of mathematics and mechanics for that academic year.

Teaching experience.

From 01. 10. 2015 to 30. 11. 2019 Bogdan Djordjević was involved in teaching activities at Faculty of Sciences and Mathematics, University of Niš, and was a teaching assistant in the following courses: Mathematical Analysis 1, Mathematical Analysis 2, Introduction to Complex Analysis (BA Mathematics) and Mathematics (BA Chemistry). He was a member of a master-thesis-defense committee in 2021.

In school years 2018/2019 and 2019/20 Bogdan Djordjević was a part time mathematics teacher at grammar school „Svetozar Marković" in Niš, where he taught advanced algebra to gifted high school students (module "advanced mathematics, physics and computer science"). He held preparation courses for mathematics competitions and took his students to national competitions. During that time, he was also a lecturer at Research center for gifted highschoolers „Petnica", where he had mentored two high school research projects in mathematics.

In 2022 he was a mentor for Student Internship at Mathematical Institute of the Serbian Academy of Sciences and Arts, where he mentored two different research projects conducted by the participating students.

Previous employment.

From 01. 01. 2018 to 30. 11. 2019 Bogdan Djordjević was employed as a research assistant trainee at Faculty of Sciences and Mathematics, University of Niš, enrolled at project no. 174007, „Functional analysis, stochastic analysis and applications" funded by the Ministry of Education, Science and Technological development of Republic of Serbia.

Since 01. 12. 2019 to present, Bogdan Djordjević has been employed at Mathematical Institute of the Serbian Academy of Sciences and Arts, where he had the following research positions: research assistant trainee from 01. 12. 2019 until 21. 09. 2020; research assistant from 22. 09. 2020 until 20. 06. 2021; research assistant professor since 21. 06. 2021 to present.

Starting from 01. 01. 2020 to present, he has been a member of a bilateral project titled „Generalized inverses, Operator equations and applications" no. 337-00-21/2020-09/32, issued by Republic of Serbia and Republic of Slovenia.

Scientific experience and research interests.

Bogdan's research field is functional analysis and operator theory with applications in matrix analysis, linear algebra and abstract differential equations. His interests are singular (irregular) operator equations, related spectral problems and operator algebras generated by such equations, and their further applications to other branches of mathematics and physics. So far he has published 8 original research articles, published in prestigious mathematical journals. Additionally, Bogdan has written two chapters for two mathematical monographs. His work has been cited six times by other researchers (SCOPUS). Bogdan has given ten talks at mathematical conferences and congresses, which include one talk at IWOTA congress held in Lisbon in 2019 and one invited lecture given at Virtual Workshop organized by Seoul National University in 2021.

He is an active reviewer for the prestigious mathematical journals, such as Complex Analysis and Operator Theory (Springer), Linear Multilinear Algebra (Taylor & Francis), Linear Algebra and its Applications (Elsevier), Operators and Matrices (Ele-Math) and Filomat (University of Niš, Faculty of Sciences and Mathematics).