

# MARKO DJIKIĆ

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## PERSONAL DATA

- Date of birth** August 6<sup>th</sup> 1989, Leskovac, Serbia
- Office** Faculty of Sciences and Mathematics, University of Niš,  
Višegradaska 33, 18000 Niš, Serbia
- Mail** [marko.djic@gmail.com](mailto:marko.djic@gmail.com)

## EDUCATION

- 2013 – 2016 PhD Mathematics**  
Faculty of Sciences and Mathematics, University of Niš  
PhD thesis: Coherent and precoherent operators  
Thesis advisor: prof. dr Dragan Đorđević  
GPA: 10 / 10
- 2011 – 2013 MSc Mathematics**  
Faculty of Sciences and Mathematics, University of Niš  
Master thesis: Generalized inverses of matrices  
Thesis advisor: prof. dr Dragana Cvetković – Ilić  
GPA: 10 / 10
- 2008 – 2011 BSc Mathematics**  
Faculty of Sciences and Mathematics, University of Niš  
GPA: 10 / 10
- 2004 – 2008 Secondary school**  
Grammar School "Svetozar Marković" in Niš, specialized mathematical class  
GPA: 5/5

## EMPLOYMENT

- 2017 – PRESENT** Assistant professor at the Faculty of Sciences and Mathematics in Niš
- 2014 – 2017** Teaching assistant at the Faculty of Sciences and Mathematics in Niš
- 2013 – 2014** Teaching associate at the Faculty of Sciences and Mathematics in Niš
- 2014 – PRESENT** Researcher on a project: Functional analysis, stochastic analysis and applications, supported by the Ministry of Education, Science and Technological Development of the Republic of Serbia, grant no. 174007
- 2015 – PRESENT** Head of the Mathematics Program in „Petnica” Science Center
- 2008 – 2015** Assistant at the Mathematics Program in „Petnica” Science Center

## WORKING EXPERIENCE

- 2016 – PRESENT Coordinator of a program for continuous professional improvement of mathematics teachers, licensed by the National Bureau for the Improvement of Education of the Republic of Serbia
- 2015 – PRESENT Member of the governing board of Niš branch of the Serbian Mathematical Society
- 2013 – PRESENT Member of the National Committee for mathematical competitions of secondary school students
- 2008 – 2015 Lecturer and coordinator of trainings for mathematical competitions for students attending specialized mathematical class of „Svetozar Marković” Grammar School in Niš
- 2012 – 2014 President of the local organizing committee for international mathematical competition: Tournament of Towns
- 2014 Organizer and lecturer at seminars for mathematics teachers regarding trainings for mathematical competitions in Niš
- 2011 – 2013 Editing „Problem of the month” section on Serbian Mathematical Society website
- 2008 Participation at European festival of science „Festival della Scienza” in Genova, Italy
- 2007 Participation at Science Festival in Belgrade, Serbia

## AWARDS AND SCHOLARSHIPS

- 2014 Award of the Agency for the Local and Economic Development of the city of Leskovac, for talented students
- 2013 Diploma for the achievements of his students at the XXV Summer Conference of the International Mathematical Tournament of Towns
- 2013 Award for the academic excellence, social commitment and the improvement of the local community of the program „Pokreni se za budućnost” (Eng. “Get moving for the future”) sponsored by Phillip Morris Operations a.d. and the city of Niš
- 2010 – 2011 Scholarships of the National Fund for Young Gifted Students in the final year of bachelor and
- 2012 – 2013 master studies by the Ministry of Youth and Sports of the Republic of Serbia.
- 2007 – 2010 Scholarship of the National Foundation for Development of Science and Arts by the Ministry of Science of the Republic of Serbia

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **M. S. Djikić**, G. Fongj, A. Maestriperi, The minus order and range additivity, *Linear Algebra Appl.* 2017. 531:234-256.
2. M. S. Djikić, Lattice properties of the core-partial order. *Banach J. Math. Anal.* 2017. 11:398-415.
3. **M. S. Djikić** and D. S. Djordjević, Coherent and precoherent elements in Rickart  $*$ -rings. *Linear Algebra Appl.* 2016. 509:64-81.
4. M. S. Djikić, Properties of the star supremum for arbitrary Hilbert space operators. *J. Math. Anal. Appl.* 2016. 441:446-461
5. M. S. Djikić, Extensions of the Fill-Fishkind formula and the infimum - parallel sum relation. *Linear Multilinear Algebra.* 2016. 64:2335-2349.
6. D. S. Cvetković-Ilić and **M. S. Djikić**, Various solutions to reverse order law problems. *Linear Multilinear Algebra.* 2016. 64:1207-1219
7. M. S. Djikić, Operators with compatible ranges. *Filomat*, in press. <https://arxiv.org/abs/1609.04884>

## BOOKS

- 2014 University textbook: S. Živković-Zlatanović, **M. S. Đikić**, *Mathematical analysis 1: theory and problems*, (in Serbian) approved by the Academic council of the Faculty of Sciences and Mathematics, on 15.10.2014.

## CONFERENCES, INVITED TALKS AND COURSES

- UPCOMING 2017 IWOTA 2017 (International Workshop on Operator Theory and Applications), Chemnitz, Germany
- July 2017 Workshop on Operator Theory, Complex Analysis, and Applications, Lisbon, Portugal
- November 2016 Range additivity, partial orders and some interesting classes of operators on Hilbert spaces,  
Seminar of CAMGSD on IST in Lisbon, Portugal
- July 2016 The 26. International Conference in Operator Theory, Timisoara, Romania
- June 2016 Workshop on Operator Theory, Complex Analysis, and Applications, Coimbra, Portugal
- March 2016 The 27. Nordic Congress of Mathematicians, Stockholm, Sweden
- September 2015 International Conference on Theory and Applications of Mathematics and Informatics,  
Alba Iulia, Romania
- May 2014 The 13. Serbian mathematical congress, Vrnjačka Banja, Serbia
- September 2014 Intensive course: Regular and rapid variation and applications,  
DAAD Project, Center of Excellence for Applications of Mathematics, Vrnjačka Banja, Serbia