

Curriculum Vitae

1. Address

University of Kragujevac, Faculty of Science, Radoja Domanovića 12, 34000 Kragujevac, Serbia

2. Phone numbers

Office Telephone: +381 (0)34 336 223

3. Personal Data

Full name: Suzana (Simić) Aleksić

Birthdate: March 14th, 1979

Birthplace: Kruševac

Citizenship: Serbian

Children: Anđela, Antonina

4. Education and Academic Degrees

Ph.D. in Mathematics (Functional analysis) : University of Novi Sad, December 3rd, 2011 (Advisor: Stevan Pilipović)

Dissertation: Frames and weighted shift-invariant spaces

M.Sc. in Mathematics (Mathematical analysis) : University of Kragujevac, December 28th, 2006 (Advisor: Milutin Dostanić)

Thesis: Estimations and asymptotics of eigenvalues and singular values of compact operators

B.Sc. in Mathematics : University of Kragujevac, Faculty of Science, October 26th, 2001

High School: high school "Vuk Karadžić", Trstenik, 1993-1997

Primary School: "Miodrag Čajetinac Čajka", Trstenik, 1989-1993; "Jovan Jovanović Zmaj", Stopanja, 1985-1989

5. Working experience

Since 2012: **Assistant Professor**, Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

2007-2012: **Assistant**, Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

2003-2007: **Teaching Assistant**, Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

2001-2003: **Research Assistant**, Department of Mathematics and Informatics, Faculty of Science, University of Kragujevac

6. Projects

2011- : [Project#174024\(Serbian Ministry of Education and Science\)](#): Methods of Functional and Harmonic Analysis and PDEs with Singularities

2008-2011: [Project#144016\(Serbian Ministry of Science and Technological Development\)](#): Methods of Functional Analysis and PDEs with Singularities

2006-2008: [Project#144005\(Serbian Ministry of Science and Technological Development\)](#): Approximation of linear operators

2003-2006: [Project#1863\(Serbian Ministry of Science\)](#): Harmonic mappings, Functional spaces and Operators on them

7. Research interests

[Functional and Harmonic Analysis](#) (theory of frames, wavelets and shift-invariant spaces, generalized functions), [Fixed Point Theory](#), [Fractional differential equations](#), [Integral transformations](#)

8. Refereeing and Reviewing

Refereeing for the following journals: Applied Mathematics Letters, Computers & Mathematics with Applications, Mathematical and Computer Modelling, Applicable Analysis and Discrete Mathematics, Advances in Difference Equations, Journal of the Chungcheong Mathematical Society, Matematički Vesnik, Novi Sad Journal of Mathematics, Kragujevac Journal of Mathematics

9. Associated editor in Kragujevac Journal of Mathematics

10. Teaching Experience

Undergraduate level: Analysis II, Measure and Integration, Selected Chapters of Analysis, Teaching Methodology in Analysis, Spectral theory of operators

Ph.D.level: Classical Measure Theory (Mathematics section), Pseudodifferential operators (Mathematics section)

Previously: Functional Analysis with Applications, Mathematical Analysis, Analysis III, Partial Differential Equations, Differential Equations, Differential Geometry, Number Theory, Topology I, Topology II, Algebra and Logic, Mathematics I (for engineers), Mathematics II (for engineers), Mathematics III (for engineers) and Analysis with Algebra (for high school students).

11. Scientific papers

1. S. Simić, *An estimation of the singular values of integral operator with logarithmic kernel*, Facta Univ. Ser. Math. Inform. {21} (2006), 49-55.
2. S. Simić, *Frechet frames for shift invariant weighted spaces*, Novi Sad J. Math. 39(2) (2009), 119-128.
3. M. Abbas, M. Jovanović, S. Radenović, A. Sretenović, S. Simić, *Abstract metric spaces and approximating fixed points of a pair of contractive type mappings*, J. Comput. Anal. Appl. 13 (2011), 243-253.
4. S. Simić, *A note on Stone's, Baire's, Ky Fan's and Dugundji's theorem in tvs-cone metric spaces*, Appl. Math. Lett. (2011) Volume 24, Issue 6, 999-1002.
5. A.S. Cvetković, M.P. Stanić, S. Dimitrijević, S. Simić, *Common fixed point theorems for four mappings on cone metric type spaces*, Fixed Point Theory Appl. (2011), Article ID 589725, 15 pages, doi:10.1155/2011/589725.
6. Z. Kadelburg, S. Radenović, S. Simić, *Abstract metric spaces and Caristi-Nguyen-type theorems*, Filomat 25(3) (2011), 111-124.
7. S. Radenović, S. Simić, N. Cakić, Z. Golubović, *A note on tvs-cone metric fixed point theory*, Math. Comput. Modelling, 54 (2011), 2418 -2422.
8. S. Pilipović, S. Simić, *Frames for weighted shift-invariant spaces*, Mediterr. J. Math. 9(4) (2012), 897-912.
9. M.H. Shah, S. Simić, N. Hussain, A. Sretenović, S. Radenović, *Common fixed points theorems for occasionally weakly compatible*, J. Comput. Anal. Appl. 14(2) (2012), 290-297.
10. M.P. Stanić, A.S. Cvetković, S. Simić, S. Dimitrijević, *Common fixed point under contractive condition of Ćirić type on cone metric type spaces*, Fixed Point Theory Appl. (2012), 2012:35, 14 pages, doi:10.1186/1687-1812-2012-35.
11. S. Pilipović, S. Simić, *Construction of frames for shift-invariant spaces*, J Funct Space Appl, vol. 2013, Article ID 163814, 7 pages, 2013. doi:10.1155/2013/163814.
12. A.S. Cvetković, S. Radenović, S. Simić, M.P. Stanić, *Generalized ϕ -contraction for four mappings on solid cone metric spaces*, Indian Journal of Mathematics, Special Volume on Professor Billy Rhoades, Vol. 56, Number 2 (2014), 209-228.
13. N. Mehmood, A. Azam, S. Aleksić, *Topological vector-space valued cone Banach spaces*, International Journal of Analysis and Applications, ISSN 2291-8639, Volume 6, Number 2 (2014), 205-219.
14. A. Cabada, S. Dimitrijević, T. Tomović, S. Aleksić, *The existence of a positive solution for nonlinear fractional differential equations with integral boundary value conditions*, Mathematical Methods in the Applied Sciences, Jul 2016, DOI: 10.1002/mma.4105.
15. S. Xu, Y. Piao, S. Aleksić, *Fixed point theorems for generalized g -quasi-contractions in cone b -metric spaces over Banach algebras without the assumption of normality*, Analysis in Theory and Applications, April 2017.
16. Shaoyuan Xu, Suyu Chen, Suzana Aleksić, *Fixed point theorems for generalized quasi-contractions in cone b -metric spaces over Banach algebras without the assumption of normality with applications*, Int. J. Nonlinear Anal. Appl., vol. 8, no. 2, pp. 335-353, 2017.

17. S. Aleksić, Lj. Paunović, S. Radenović, F. Vetro, *Some critical remarks on the paper "A note on the metrizable of tvs-cone metric spaces"*, Vojnotehnicki glasnik, vol. 66, no. 1, pp. 1-8, doi:10.5937/vojtehg66-15128, 2018.
18. S. Aleksić, Z.D. Mitrović, S. Radenović, *A fixed point theorem of Jungck in $b_v(s)$ -metric spaces*, Period Math Hung (2018). <https://doi.org/10.1007/s10998-018-0236-1>.

12. International Conferences

1. International Conference on Numerical and Applied Mathematics (ICNAM--2006), Kragujevac, 27–30 septembar, 2006.
S. Simić: *An estimate of the singular values of integral operator with logarithmic kernel*
2. Approximation&Computation 2008, Niš, 25–29 August, 2008.
S. Simić: *Fréchet frames for shift-invariant weighted spaces*
3. Generalized Functions - Special Edition, Novi Sad, 03–06 June, 2010.
S. Pilipović, S. Simić: *Frames for weighted shift-invariant spaces and construction of p -frames*
4. 3rd International Conference CPMMI 2014, Contemporary problems of mathematics, mechanics and informatics, Novi Pazar, June 16–17, 2014.
S. Pilipović, S. Aleksić: *Construction of shift-invariant spaces*
5. 5rd International Conference CPMMI 2018, Contemporary problems of mathematics, mechanics and informatics, Novi Pazar, June 17–19, 2018.
S. Aleksić, S. Dimitrijević, T. V. Tomović: *The existence of a positive solution for nonlinear fractional differential equations with integral boundary value conditions*

13. International Workshops

1. Gabor Frames and Wavelets in Local Analysis, Novi Sad. 15–20 September, 2011.
Invited lecturer S. Simić: *Shift-invariant spaces and construction of frames*

14. National Conferences

1. 12th Serbian Mathematical Congress, August 28th –September 2nd, 2008, Novi Sad, Serbia.
S. Simić: *Fréchet frames for shift-invariant weighted spaces*
2. 13th Serbian Mathematical Congress, May 22–25, 2014, Vrnjačka Banja, Serbia.
S. Pilipović, S. Aleksić: *Construction of frames for shift-invariant spaces*
3. 14th Serbian Mathematical Congress, May 16–19, 2018, Kragujevac, Serbia.
S. Pilipović, S. Aleksić: *The localization of a frame for weighted shift-invariant spaces*

15. Books (in Serbian)

1. M. Stanić, S. Dimitrijević, S. Simić, and D. Bojović: *Functional Analysis - Collection of Problems*, University of Kragujevac, Faculty of Science, Kragujevac, 2007, 252 pp.
2. N. Ikodinović, M. Stanić, M. Pavlović, and S. Simić: *Mathematics 3*, University of Kragujevac, Faculty of Mechanical Engineering, Kragujevac, 2011, 267 pp.
3. N. Ikodinović, S. Dimitrijević, S. Aleksić: *Mathematics 2 – Textbook with a collection of problems for the 2nd grade of gymnasium*, Klett, Belgrade, 2015.