

CURRICULUM VITAE		
LIČNI PODACI		
Ime i prezime:	<b>Marija Krstić</b>	
Datum rođenja:	12.05.1983.	
Adresa:	Jug Bogdanova 39/17, 18000 Niš, Srbija	
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PROFESIONALNO ISKUSTVO		
Prirodno-matematički fakultet, Univerzitet u Nišu, Srbija		
Radno mesto:	Istraživač pripravnik	2007–2010
	Istraživač saradnik	2010–2014
	Docent	2014–2019
	Vanredni profesor	2019–
Gradjevinsko-arhitektonski fakultet, Univerzitet u Nišu, Srbija		
Radno mesto:	Saradnik u nastavi	2012–2014
OBRAZOVANJE		
Prirodno-matematički fakultet, Univerzitet u Nišu, Srbija		
• Doktorske studije na Departmanu za matematiku		2006–2013
○ Doktorska disertacija:		
naslov: Uticaj Gausovog belog šuma na stabilnost nekih populacionih i epidemioloških modela		
mentor: <i>prof. dr Miljana Jovanović</i>		
• Osnovne studije na Departmanu za matematiku i informatiku		2002–2006
○ Diplomski rad:		
naslov: Stohastičko modeliranje u neživotnom osiguranju		
mentor: <i>prof. dr Svetlana Janković</i>		
Gimnazija u Pirotu, Srbija		1998–2002
Osnovna škola "Sveti Sava", Pirot, Srbija		1990–1998
UČEŠĆE U NAUČNIM PROJEKTIMA		
• Projekat: Funkcionalna analiza, stohastička analiza i primene (Br. 174007), Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije		2011–2019
• Projekat: Teorija operatora, stohastička analiza i primene (Br. 144003), Ministarstvo nauke i tehnološkog razvoja Republike Srbije		2007–2010
ANGAŽOVANJE U NASTAVI		
<ul style="list-style-type: none"> <li>• Predavanja i vežbe iz predmeta <i>Stohastički dinamički sistemi</i> na Master akademskim studijama Departmana za matematiku PMF-a u Nišu</li> <li>• Predavanja i vežbe iz predmeta <i>Matematika u biologiji</i> na Osnovnim akademskim studijama Departmana za biologiju PMF-a u Nišu</li> <li>• Predavanja iz predmeta <i>Verovatnoća i statistika u biologiji</i> na Osnovnim akademskim studijama Departmana za biologiju PMF-a u Nišu</li> <li>• Predavanja i vežbe iz predmeta <i>Poslovna matematika</i> na Osnovnim akademskim studijama Departmana za geografiju PMF-a u Nišu</li> <li>• Vežbe iz predmeta <i>Finansijska matematika</i> na Master akademskim studijama Departmana za matematiku PMF-a u Nišu</li> <li>• Vežbe iz predmeta <i>Finansijska matematika</i> na Osnovnim akademskim studijama Departmana za matematiku i Departmana za informatiku PMF-a u Nišu</li> <li>• Predavanja iz predmeta <i>Teorija rizika</i> na Doktorskim akademskim studijama Departmana za matematiku PMF-a u Nišu</li> <li>• Predavanja iz predmeta <i>Stohastički dinamički sistemi</i> na Doktorskim akademskim studijama Departmana za matematiku PMF-a u Nišu</li> </ul>		

## PUBLIKACIJE

### NAUČNI RADOVI

- **M. Krstić**, M. Jovanović, *On stochastic population model with the Allee effect*, Mathematical and Computer Modelling 52 (2010) 370–379.
- S. Janković, M. Vasilova, **M. Krstić**, *Some analytic approximations for neutral stochastic functional differential equations*, Applied Mathematics and Computation 217 (2010) 3615–3623.
- **M. Krstić**, *The effect of stochastic perturbation on a nonlinear delay malaria epidemic model*, Mathematics and Computers in Simulation 82 (2011) 558–569.
- M. Jovanović, **M. Krstić**, *Stochastically perturbed vector-borne disease models with direct transmission*, Applied Mathematical Modelling 36 (2012) 5214–5228.
- M. Jovanović, **M. Krstić**, *Analysis of non-autonomous stochastic Gompertz model with delay*, Applied Mathematics and Computation 242 (2014) 101–108.
- M. Jovanović, **M. Krstić**, *The influence of time-dependent delay on behavior of stochastic population model with the Allee effect*, Applied Mathematical Modelling 39 (2015) 733–746.
- M. Jovanović, **M. Krstić**, *Extinction in Stochastic Predator-Prey Population Model with Allee Effect on Prey*, Discrete and Continuous Dynamical Systems-Series B 22(7) (2017) 2651–2667.
- **M. Krstić**, *On Stability of Stochastic Delay Model for Tumor-Immune Interaction*, Filomat 32:4 (2018) 1273–1283.
- V. Vujović, **M. Krstić**, *On Stability of Stochastic Model for Hepatitis C Transmission with an Isolation Stage*, Filomat 34:14 (2020) 4795–4809.

### UDŽBENICI

- **M. Krstić**, M. Jovanović, *Verovatnoća i statistika u biologiji*, Udžbenik sa zadacima, Prirodno-matematički fakultet u Nišu, 2019, ISBN: 978-86-6275-084-6.

### UČEŠĆE NA MEDJUNARODNIM KONFERENCIJAMA

- M. Vasilova, **M. Krstić**, *An Iterative Method for Solving Functional Stochastic Differential Equations*, XIII-th International Summer Conference on Probability and Statistics (ISCPS), Seminar on Statistical Data Analysis (SDA 2008), Sozopol, Bulgaria, Jun 21–28, 2008.
- M. Vasilova, **M. Krstić**, *An Iterative Method for Solving Stochastic Differential Delay Equations*, XII Serbian Mathematical Congress, Novi Sad, Serbia, August 28–September 02, 2008.
- **M. Krstić**, M. Jovanović, *Existence, uniqueness and stability of positive solutions to the stochastic population model with the Allee effect*, MASSEE – International Congress of Mathematics, Ohrid, FYR Macedonia, September 16–20, 2009.
- **M. Krstić**, *Stability of delayed stochastic model for malaria transmission*, The First Mathematical Conference of Republika Srpska, Pale, Bosnia and Herzegovina, May 21–22, 2011.
- M. Jovanović, **M. Krstić**, *Stability of stochastic vector-borne disease model with direct transmission*, XIII Serbian Mathematical Congress, Vrnjačka banja, May, 22–25, 2014.
- M. Jovanović, **M. Krstić**, *Dynamics of time-dependent delay stochastic population model with the Allee effect*, Junior female researchers in probability, Berlin, Germany, October, 22–23, 2015.
- **M. Krstić**, M. Jovanović, *Stability of delayed vector-borne disease epidemic model influenced by stochastic perturbations*, 7ECM, Berlin, Germany, July, 18–22, 2016.
- **M. Krstić**, M. Jovanović, *On Stochastic Population Models with the Allee effect*, SPA, Moscow, Russia, July, 24–28, 2017.
- M. Jovanović, **M. Krstić**, *Stochastic Analysis of the Predator-prey Model with Allee effect on prey*, XIV Serbian Mathematical Congress, Kragujevac, Serbia, May 16–19, 2018.
- M. Jovanović, **M. Krstić**, *Analysis of the Behavior of Stochastic Predator-Prey Model Influenced by Allee Effect on Prey*, SMASCG, Budva, Montenegro, October 11-14, 2019
- V. Vujović, **M. Krstić**, *Stochastic Hepatitis C Model - Persistence of Disease*, Modern Stochastic: Theory and Applications V, Kyiv, Ukraine, June 1–4, 2021.
- V. Vujović, **M. Krstić**, *Stochastic Hepatitis C model - conditions of disease extinction*, 8th European Congress of Mathematics, Portorož, Slovenia, June 20–26, 2021.
- **M. Krstić**, V. Vujović, *Long time behavior of delayed stochastic model for tumor-immune interaction*, IWNAA2021, Niš, Serbia, October 13–16, 2021.
- M. Milunović, **M. Krstić**, *Analysis of stochastic SIR epidemic model with nonlinear incidence and treatment*, IWNAA2021, Niš, Serbia, October 13–16, 2021.

### UČEŠĆE NA INTENZIVNIM KURSEVIMA

- "Biomedical Image Analysis and Bioinformatics", Vrnjačka Banja, Serbia, September 24–30, 2010.
- Summer Academy "Advanced Stochastic Methods to Model Risk", Ulm, Germany, September 9–22, 2012.
- Intensive Course "Mathematical models in economics and their computer implementation School", Perm State University, Perm, Russia, November 17–29, 2013.

### RECENZENTSKE AKTIVNOSTI

- **Recenzent u časopisima:** Applied Mathematics and Computation; Applied Mathematical Modelling; BioSystem; Communications in Nonlinear Science and Numerical Simulation; FILOMAT; Mathematical Methods in Applied Sciences; Physica A: Statistical Mechanics and its Applications; Chaos, Solitons and Fractals.
- **Recenzent knjige:** FINANSIJSKA MATEMATIKA, Udžbenik sa zadacima, Miljana Jovanović, Marija Milošević, Prirodno-matematički fakultet, 2016 (Niš: Atlantis)