DRAGANA RANKOVIĆ (ex TODOROVIĆ)

Employment Information:

2012 -	Assistant professor at the University of Belgrade, Faculty of Pharmacy
2002 – 2012	Teaching assistant at the University of Belgrade, Faculty of Pharmacy
1997 – 2002	Teaching associate at the University of Belgrade, Faculty of Pharmacy
1996 – 1997	Teaching assistant at the University of Belgrade, Faculty of Agriculture
1996 – 1997	A secondary school teacher, subject Mathematical Analysis and Linear Algebra

Education:

2011	PhD degree: University of Belgrade, Faculty of Mathematics Supervisor: N. Lažetić
1996 – 2001	Master Degree: University of Belgrade, Faculty of Mathematics, Mathematical Analysis – Differential Equations, 10/10 Supervisor: Lj. Protić
1992 - 1996	Bachelor Degree: University of Belgrade, Faculty of Mathematics, Theoretical Mathematics and Applications, 9,69/10

Teaching activities:

- Integrated Academic Studies: Participates in lectures and practical classes at the mandatory course Mathematics, as well as at the elective course Application of Information Technology in Pharmacy.
- Mentor and member of the committee for undergraduate thesis

Textbooks:

- Dragana D. Ranković, Danijela M. Milenković, MATEMATIKA Zbirka zadataka za farmaceutski fakultet, Farmaceutski fakultet, Beograd, 2019.

- Jovan D. Kečkić, Stana Ž. Nikčević, Dragana D. Ranković, Jelena M. Jocković, Danijela M. Milenković, Marija M. Minić, MATEMATIKA Priprema prijemnog ispita, Farmaceutski fakultet, Beograd, 2020.

Activities within the Faculty:

- Head of Department of Physics and Mathematics since 2016.

Projects:

- 2018 - Advance tehnologies for controlled release from drug delivery systems (TR34031), Ministry of education, science and technological development, Republic of Serbia

- 2005 – 2010 (141003), Ministry of science and technological development, Republic of Serbia

- 2001 – 2005 (1443), Ministry of science, Republic of Serbia

Publications:

1) D. Prekrat, K. Todorović-Vasović, **D. Ranković,** Detecting scaling in phase transitions on the truncated Heisenberg algebra, Journal of High Energy Physics, 197 (2021).

2) T. Ilić, I. Pantelić, D. Lunter, S. Đorđević, B. Marković, **D. Ranković**, R. Daniels, S. Savić , Critical quality attributes, in vitro release and correlated in vitro skin permeation - in vivo tape stripping collective data for demonstrating therapeutic (non)equivalence of topical semisolids: a case study of "ready-to-use" vehicles, International Journal of Pharmaceutics 528 (2017), 253–267.

3) S. Stević, **D. Ranković**, On a practically solvable product-type system of difference equations of second order, Electronic Journal of Qualitative Theory of Differential Equations 56 (2016), 1-23.

4) **D. Ranković**, Bifurcation of FitzHugh-Nagumo excitable systems with chemical delayed coupling, Matematički Vesnik 63 (2) (2011), 103-114.

5) N. Burić, **D. Ranković**, K. Todorović and N. Vasović, Mean field approximation for noisy delay coupled excitable neurons, Physica A: Statistical Mechanics and its Applications 389 (19) (2010), 3956-3964.

6) N. Burić, **D. Ranković**, Bursting neurons with coupling delays, Physical Letters A 363 (2007), 282-289.

7) N. Burić, **D. Todorović**, Bifurcations due to small time-lag in coupled excitable systems, International Journal of Bifurcation and Chaos 15 (2005), 1775-1785.

8) N. Burić, **D. Todorović**, Synchronization of hyperchaotic systems with delayed bi-directional coupling Physical Review E 68 (2003), 066218.

9) N. Burić, **D. Todorović**, Dynamics of FitzHugh-Nagumo excitable systems with delayed coupling, Physical Review E 67 (2003), 066222.

10) N. Burić, **D. Todorović**, Dynamics of delay-differential equations modeling immunology of tumor growth, Chaos Solitons and Fractals 13 (2002), 645-655.