

NAME AND FAMILY NAME **SLAVICA BLAGOJEVIĆ**

Employment Information:

- 2016. Associate professor, Department of Physical Chemistry and Instrumental Methods, Faculty of Pharmacy, University of Belgrade
- 2011 – 2016. Assistant professor, Department of Physical Chemistry and Instrumental Methods Faculty of Pharmacy, University of Belgrade
- 2009 – 2011. Assistant with Ph.D., Department of Physical Chemistry and Instrumental Methods Faculty of Pharmacy, University of Belgrade
- 2000 – 2009. Assistant, Department of Physical Chemistry, Faculty of Pharmacy, University of Belgrade
- 1996 – 2000. Trainee assistant, Department of Physical Chemistry, Faculty of Pharmacy, University of Belgrade
- 1995 – 1996. Associate, Department of Physical Chemistry, Faculty of Pharmacy, University of Belgrade

Education:

- 2009. Ph. D., Physical Chemistry
Ph.D. Dissertation entitled: “Modeling influence of the malonic acid on the evolution of the Belousov–Zhabotinsky oscillatory reaction”, defended at the Faculty of Physical Chemistry, University of Belgrade.
- 2000. M. Sc. Physical Chemistry
Master's thesis entitled: “Activation energy of the Belousov–Zhabotinsky oscillatory reaction in the different steady–state of the system”, defended at the Faculty of Physical Chemistry, University of Belgrade.
- 1995. B.Sc. Physical Chemistry
Graduation thesis entitled: “Electrochemical oscillatory system”, defended at the Faculty of Physical Chemistry, University of Belgrade.

Training:

- 2019. Education intended to improve the teaching competencies: “Building an appropriate relationship with students and the rules of business communication”, Faculty of Pharmacy, University of Belgrade (certificate).
- 2014. – LC/MS/MS/ training for modules: Xevo TQD MS Detector, Acquity UPLC System, MassLynx 4.1 and TargetLynx Software and Quanpedia Database (Certificate No140725-08)

Academic awards and distinctions:

- 1995. – Awarded by the “Sister Bulajić” fund for the best graduation thesis defended in the 1994 /1995 academic year at the Faculty of Physical Chemistry, University of Belgrade.

Teaching activities:

- Integrated academic studies
 - Theoretical teaching – required compulsory course: Physical Chemistry (for study programs Pharmacy and Pharmacy – Medical Biochemistry), Instrumental Methods (for study program Pharmacy – Medical Biochemistry), Physical Chemistry (English language teaching – for study programs Pharmacy)
 - Practical teaching – required compulsory course: Physical Chemistry and Instrumental Methods (for study programs Pharmacy and Pharmacy – Medical Biochemistry), elective course Colloid Chemistry (for study programs Pharmacy and Pharmacy – Medical Biochemistry), Physical chemistry (English language teaching – for study programs Pharmacy)
- Doctoral academic studies – courses: Selected Chapters of Instrumental Methods (Pharmacognosy module) and Selected Instrumental Methods (Bromatology module)
- Served as a co-mentor of master thesis defended in 2013. at the Faculty of Physical Chemistry, University of Belgrade.
- Served as a mentor of five graduation theses and a member of the committee for the defence of seventy–three graduation and final theses defended at the Faculty of Pharmacy, University of Belgrade.
- Served as a mentor and co-mentor of eight student scientific research papers presented at the Mini–Congress for Students of Faculty of Pharmacy, University of Belgrade and the Serbian Students' Conference of Biomedical Sciences with international participation (2012 – 2021.).

Textbooks:

- Vesna Kuntić, Slavica Blagojević, Mara Aleksić, Aleksandra Janošević Ležaić, Leposava Pavun, Svetlana Mičić
Instrumental methods – practicum with examples for students of the study program Pharmacy – Medical Biochemistry, University of Belgrade – Faculty of Pharmacy, Belgrade, 2018, ISBN: 978–86–6273–052–7.
- Vesna Kuntić, Mara Aleksić, Nataša Pejić, Slavica Blagojević
Practicum in Physical Chemistry, University of Belgrade – Faculty of Pharmacy, Belgrade, 2010, ISBN 978–86–80263–72–4.

Activities within the Faculty of Pharmacy:

- President of the Committee for Report Writing on the Applied Candidates for a Vacancy for An Associate professor in the Narrow Scientific Field of Physical Chemistry at the Faculty of Pharmacy, the University of Belgrade (2021.)
- Member of the Publishing Committee of the Faculty of Pharmacy, the University of Belgrade (since 2013.)
- Participated in the work on amendments to the Rulebook on Publishing of the Faculty of Pharmacy, University of Belgrade, adopted in 2015 (2021.)
- Participated in the preparation of the Catalog of Publications of the Faculty of Pharmacy (2020 – 2021.)
- Participated in the development of the Rulebook on Publishing Activities of the Faculty of Pharmacy, the University of Belgrade, adopted in 2015.)
- Member of the Committee for the Election of the Dean of the Faculty of Pharmacy, the University of Belgrade (2015.)
- Member of the Expert Committee for the Evaluation of Scientific Research Papers Submitted by the Students of the Faculty of Pharmacy, 8th Student's Mini-Congress, April 6 – 8, 2015, University of Belgrade – Faculty of Pharmacy (2015.)
- President of the Committee for Property Inventory of the Department of Physical Chemistry and Instrumental Methods (2015.)
- Member of the Committee for Property Inventory of the Department of Physical Chemistry and Instrumental Methods (2014, 2011, 2008, 2006, 2004, 2002 and 1998.)
- Co-author of Equipment Catalogue at the Faculty of Pharmacy (2013.)
- President of the Committee for the Inventory of Funds of the Faculty of Pharmacy, University of Belgrade (2013.)

Activities within wider Academic Community:

- Member of the Organizing Committee of the 14th International Conference on Fundamental and Applied Aspects of Physical Chemistry, “Physical Chemistry 2018”, September 24 – 28 2018, Belgrade, Serbia) (2018.)
- Chairman of the Section for Nonlinear Dynamics at the 12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, “Physical Chemistry 2014”, September 22 – 26, 2014, Belgrade, Serbia (2014.)
- Oral presentation “Numerical evidence of complex nonlinear phenomena of the Belousov–Zhabotinsky oscillatory reaction under batch conditions”, at the international symposium Nonlinear Dynamic – Milutin Milanković, Multidisciplinary and Interdisciplinary Applications, SNDMIA 2012, October 1 – 5, 2012, Belgrade, Serbia (8th Serbian Symposium in the Area of Non-Linear Sciences) (2012.)
- Served as a reviewer in the following international journals: Central European Journal of Chemistry (now Open Chemistry) and Journal of Physical Chemistry B;
- Served as a reviewer of scientific research papers submitted for the International Conference on Fundamental and Applied Aspects of Physical Chemistry “Physical

Chemistry”, Belgrade, Serbia, organized by the Society of Physical Chemists of Serbia. (since 2010)

- Member of the Society of Physical Chemists of Serbia

Projects:

- Dynamics of nonlinear physicochemical and biological systems with modelling and prediction of their behaviour under nonequilibrium conditions (Faculty of Physical Chemistry, University of Belgrade, project number 172015 – engagement 8 months), Ministry of Education, Science and Technological Development of the Republic of Serbia, 2011 – 2019.
- Emergence and Evolution of Complex Chemical Systems – Chemistry and Molecular Sciences and Technologies, COST Action CM1304 (european project in the framework of COST), 2013 – 2017.
- Physical chemistry of dynamic states and structures of nonequilibrium systems - from monotonous to oscillatory evolution and chaos (Faculty of Physical Chemistry, University of Belgrade, project number 142025 – engagement 8 months), Ministry of Science and Environmental Protection of the Republic of Serbia, 2006 – 2010.
- Physical chemistry of dynamic states and structure of nonequilibrium systems - self-organization, multistability and oscillatory (Faculty of Physical Chemistry, University of Belgrade, project number 1448 – engagement 8 months), Ministry of Science and Environmental Protection of the Republic of Serbia, 2000 – 2005.
- Dynamics, stability, and self-organization of nonequilibrium systems (Faculty of Physical Chemistry, University of Belgrade, project number 02E07 – engagement 8 months), Ministry of Science and Technology of the Republic of Serbia, 1996 – 2000.
- Physical chemistry of materials, (Faculty of Physical Chemistry, University of Belgrade), Ministry of Science and Technology of the Republic of Serbia, 1995 – 1996.

Selected publications:

- Blagojević, S. M, Erić, N., Nešović, M., Blagojević, S. N.: [Micellization and foamability of sodium laureth sulphate and polysorbate surfactant mixtures](#). *Russ. J. Phys. Chem. A*. 2019; 93(13): 228–235. DOI: 10.1134/S0036024419130053. ISSN: 0036-0244
- Cervellati, R., Greco, E., Blagojević, S. M., Blagojević S. N., Anić, S, Čupić, Ž.: [Experimental and mechanistic study of the inhibitory effects by phenolics on the oscillations of the Urban-Epstein Reaction](#). *React. Kinet. Mech. Catal.* 2018; 123(1): 125–139. DOI: 10.1007/s11144-017-1306-8. ISSN: 1878-5190
- Kolar–Anić, Lj., Anić, S., Čupić Ž., Ivanović-Šašić, A., Pejić, N., Blagojević, S, Vukojević, V. Chapter 23 Oscillating reactions (Volume 2, Part 2 Organic reactions and mechanisms), in Wang, Z. (Ed.) and Wille U. and Juaristi, E. (Ass. eds.): *Encyclopedia of Physical Organic Chemistry* (2017), 1127–1222. John Wiley & Sons,

United States. DOI: 10.1002/9781118468586. Print ISBN: 9781118470459. Online ISBN: 9781118468586

- Blagojević, S. M., Pejić, N., Blagojević S. N.: [Synergism and Physicochemical Properties of Anionic/Amphoteric Surfactant Mixtures with Non-Ionic Surfactant of Amine Oxide Type](#). *Russ. J. Phys. Chem. A*. 2017; 91(13): 2690–2695. DOI: 10.1134/S0036024417130064. ISSN: 0036-0244
- Blagojević, S. N., Blagojević, S. M., Pejić, N.: [Performance and Efficiency of Anionic Dishwashing Liquids with Amphoteric and Nonionic Surfactants](#). *J. Surfact. Deterg.* 2016; 19 (2): 363–372. DOI: 10.1007/s11743-015-1784-5. ISSN: 1097-3958
- Pejić, N., Maksimović, J., Blagojević, S., Anić, S., Čupić, Ž., Kolar–Anić Lj.: [Kinetic analytical method for determination of uric acid in human urine using analyte pulse perturbation technique](#). *J. Braz. Chem. Soc.* 2012; 23(8): 1450–1459. DOI: 10.1590/S0103-50532012005000006. ISSN: 0103-5053
- Blagojević, S., Anić, S., Čupić, Ž., Pejić, N., Kolar–Anić, Lj.: [Malonic acid concentration as a control parameter in the kinetic analysis of the Belousov-Zhabotinsky reaction under batch conditions](#). *Phys. Chem. Chem. Phys.* 2008; 10(44): 6658–6664. DOI: 10.1039/b804919j. ISSN: 1463-9076
- Pejić, N., Blagojević, S., Anić, S., Kolar–Anić, Lj.: [Determination of Ascorbic Acid in Pharmaceutical Dosage Forms and Urine by Means of an Oscillatory Reaction System Using the Pulse Perturbation Technique](#). *Anal. Bioanal. Chem.* 2007; 389(6): 2009–2017. DOI: 10.1007/s00216-007-1585-4. ISSN: 1618-2642
- Pejić, N., Blagojević, S., Anić, S., Vukojević, V., Mijatović, M., Ćirić, J., Marković, Z., Marković, S., Kolar–Anić, Lj.: [Kinetic determination of morphine by means of Bray–Liebhafsky oscillatory reaction system using analyte pulse perturbation technique](#). *Anal. Chim. Acta.* 2007; 582(2): 367–374. DOI: 10.1016/j.aca.2006.09.026. ISSN: 0003-2670
- Pejić, N., Blagojević, S., Anić, S., Vukojević, V., Kolar–Anić, Lj.: [Microquantitative Determination of Hesperidin by Pulse Perturbation of the Oscillatory Reaction System](#). *Anal. Bioanal. Chem.*, 2005; 381(3): 775–780. DOI: 10.1007/s00216-004-2913-6. ISSN: 1618-2642