SLAVICA BLAGOJEVIĆ

Employment Information:

- 2011. Assistant professor, University of Belgrade – Faculty of Pharmacy
- 2000. Teaching assistant, Faculty of Pharmacy, University of Belgrade
- 1996. Trainee assistant, Faculty of Pharmacy, University of Belgrade
- 1995. Associate at Department of Physical Chemistry, Faculty of Pharmacy, University of Belgrade

Education:

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

Training:

- 2014. LC/MS/MS/ training for modules: Xevo TQD MS Detector, Acquity UPLC System, MassLynx 4.1 and TargetLynx Software and Quanpedia Database (Certificate).

Academic awards and distinctions:

- Award of the fund of "Sister Bulajić" for the best graduation thesis defended in the academic year 1994 /1995 at the Faculty of Physical Chemistry, University of Belgrade.

Teaching activities:

- Theoretical teaching
  - Integrated academic studies
    Physical Chemistry **(**Study programs Pharmacy and Pharmacy–Medical Biochemistry)
  - Doctoral academic studies
    Selected Chapters of Instrumental Methods
    Selected Instrumental Methods

- Practical teaching
  - Integrated academic studies

    Physical Chemistry (Study programs Pharmacy and Pharmacy–Medical Biochemistry)

    Instrumental Methods (Study programs Pharmacy and Pharmacy–Medical Biochemistry)

    Colloid Chemistry (Study programs Pharmacy and Pharmacy–Medical Biochemistry)

- Mentor of graduation thesis and a member of Committee for more than 60 graduate theses at the Faculty of Pharmacy, University of Belgrade)
- Mentor of students scientific research papers (University of Belgrade – Faculty of Pharmacy, 2014. – 2012.)
- Mentor of master′s thesis defended 2013. at the Faculty of Physical Chemistry, University of Belgrade.

Textbooks:

Vesna Kuntić, Mara Aleksić, Nataša Pejić**,** Slavica Blagojević

Practicum in Physical Chemistry, Faculty of Pharmacy–University of Belgrade, Belgrade, 2010 **(**ISBN 978–86–80263–72–4).

Activities within the Faculty:

- 2014. President of the Comission for the funds inventory
- 2013. Co-author of Equipment catalogue, Faculty of Pharmacy
- since 2013. Member of the Committee for publishing
- President and a member of the numerous Comision for property inventory of the Department of Physical Chemistry and Instrumental Methods

Activities within wider Academic Community:

- Chairperson for Section of Nonlinear Dynamic (12th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia, 2014.)
- Reviewer in the international journal, as well as, in papers of International Conference on Fundamental and Applied Aspects of Physical Chemistry.
- Member of the Society of Physical Chemists of Serbia

Projects:

- 2013. – 2016.

Emergence and Evolution of Complex Chemical Systems – Chemistry and Molecular Sciences and Technologies, COST Action CM1304 (European Project in the framework of COST)

- 2011. – 2015.

Nonlinear Dynamics of Physicochemical and Biological Systems with Modeling and Prediction of their Behavior under Nonequilibrium Conditions (Faculty of Physical Chemistry, University of Belgrade, number 172015, Ministry of Education, Science and Technological Development).

- 2006. – 2010.

Physical Chemistry of Dynamic States and Structures of Non-linear Systems –from Monotonic to Oscillatory Evolution and Chaos (Faculty of Physical Chemistry, of Belgrade, number 142025, Ministry of Science and Environmental Protection of Serbia).

- 2000. – 2005.

Phyical Chemistry of Dynamic States and Structures of Non-equilibrium Systems, Selforganization, Multistability and Oscillatory (Faculty of Physical Chemistry, University of Belgrade, number 1448, Ministry of Science and Environmental Protection of Serbia).

- 1996. – 2000.

Dynamics, stability and selforganization of nonequilibrium systems (project of number 02E07, Faculty of Physical Chemistry (Faculty of Physical Chemistry, University of Belgrade, number 02E07, Ministry for Science of the Republic of Serbia)

- 1995. – 1996.

Physical chemistry of materials (Faculty of Physical Chemistry, University of Belgrade, Ministry for Science of the Republic of Serbia).

Publications:

1. Pejić N., Blagojević S., Sarap N., Maksimović J., Anić S., Čupić Ž., Kolar–Anić Lj.: Perturbations of the Dushman Reaction with Piroxicam: Experimental and Model Calculations. *Helvetica Chimica Acta*, (2014), 97(1): 47–55.

2. Blagojević S., Anić S., Čupić Ž., Blagojević St., Kolar–Anić Lj.: Numerical evidence of complex nonlinear phenomena of the Belousov−Zhabotinsky oscillatory reaction under batch conditions. *Russ. J. Phys. Chem. A*, (2013), (87)13: 2140−2145.

3. Blagojevic S., Blagojević St., Pejić N., Begović B., Gajinov S.: Quality and safety of some commercial spices brands. *Acta Period. Technol.*, (2013), 44: 1−9.

4. 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.

5. Blagojević S., Anić S., Čupić Ž.: Influence of most important radicals on the numerically simulated Belousov−Zhabotinsky oscillatory reaction under batch conditions. *Russ. J. Phys. Chem. A*, (2011), 85(13): 2274−2278.

6. 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.

7. Pejić N., Blagojević S., Vukelić, J., Kolar−Anić Lj., Anić S.: Analyte Pulse Perturbation Technique for the Determination of 6−O Acetylmorphine in Seized Street Drug Samples. *B. Chem. Soc. Jpn.*, (2007), 80(10): 1942−1948.

8. 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.

9. 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.

10. 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: 775−780.