Nataša Pejić

Working experience

- Associate professor, since 2012., University of Belgrade–Faculty of Pharmacy
- Assistant professor, 2005.–2012., University of Belgrade–Faculty of Pharmacy
- Teaching assistant, 2001.–2005., University of Belgrade–Faculty of Pharmacy
- Associate at Faculty of Pharmacy, University of Belgrade, Department of Physical Chemistry, 1998. – 2001.
- Associate at Faculty of Physical Chemistry, University of Belgrade, 1995. – 2001.

Education

- Ph. D. Physical Chemistry; Dissertation defended in 2005.; Dissertation title: ″Development of quantitative analytical methods in open reactor based on the interaction between analyte and Bray–Liebhafsky oscillator″, Faculty of Physical Chemistry, University of Belgrade
- M. Sc. Physical Chemistry; Master's thesis defended 2000.; Master's thesis title: ″Oscillatory reaction as matrix for determining of functional analogy between the synthesized catalyst on polymeric carries and peroxidase″, Faculty of Physical Chemistry, University of Belgrade
- B.Sc. Physical Chemistry (1995. god.), Faculty of Physical Chemistry, University of Belgrade

Scholarships and awards:

- Annual Award of the Ministry of Science, Technology and Development, Republic of Serbia for young scientists–Masters of Science (2002.)

Teaching:

- Integrated academic studies–Courses: Instrumental Methods (Pharmacy), Colloid Chemistry (Pharmacy)
- Doctoral studies–Course: Physicochemical Phenomena and Instrumental Methods
- Specialized studies designed for health care–Course: Instrumental Methods
- Doctoral supervisor (Faculty of Physical Chemistry, University of Belgrade)
- Mentor for numerous graduation thesis and a member of Committee for numerous undergraduate theses (the Faculty of Pharmacy and the Faculty of Physical Chemistry, University of Belgrade)
- Mentor of students scientific research papers (Faculty of Pharmacy-University of Belgrade and the Faculty of Physical Chemistry), 2014.-2009.
- Comentor of two master′s thesis (2012. and 2007.) at the Faculty of Physical Chemistry
- Member of the Committee for the defense of a master's thesis, 2013 (Faculty of Physical Chemistry, University of Belgrade)
- Member of the defense of a doctoral dissertation, 2009. (Faculty of Physical Chemistry, University of Belgrade)

Textbooks:

- **Nataša Pejić** and Mara Aleksić
  Selected topics of Colloid Chemistry, Faculty of Pharmacy–University of Belgrade. Belgrade **2013 (**ISBN 978–86–6273–031–2)
- Vesna Kuntić, Mara Aleksić, **Nataša Pejić** and Slavica Blagojević
  Practicum in Physical Chemistry, Faculty of Pharmacy–University of Belgrade. Belgrade, **2010 (**ISBN 978–86–80263–72–4)
- Vesna Kuntić, Mara Aleksić, Leposava Pavun and **Nataša Pejić**
  Collection of Excercises in Physical Chemistry, Faculty of Pharmacy–University of Belgrade, Belgrade, **2003 (**ISBN 86–904849–0–6)

Activities on Faculty:

- President of the Council for second year (since 2012.)
- Member of Committee for organizing and applying procedures for student′s assessment (2013.–2016.)
- Member of the Committee for publishing (2010.–2013.)
- Comittee member for report writing on the applied candidates for a vacancy for one teaching assistant and one assistant professor at Faculty of Pharmacy (2011. and 2012.)
- President of the Comission for photocopier inventory (2011.)
- President as well as a member of the Comision for property inventory of the department of Physical Chemistry and Instrumental Methods (2011., 2009. and 2008.)
- Commitee member for students enrlomnent on the first year (2007/2008.)

Activities within the broader academic community:

- Comittee member for report writing on the applied candidates for a vacancy for one teaching assistant at Faculty of Physical Chemistry, University of Belgrade (2012.)
- Comittee member for adopting procedures for awarding a scientific degree R**esearch associate,** 2013. god. (Faculty of Physical Chemistry, University of Belgrade) Fakultet za fizičku hemiju, Univerzitet u Beogradu)
- Comittee member for adopting procedures for awarding a scientific degree Research assistant professor, 2013. god. (Faculty of Physical Chemistry, University of Belgrade) Fakultet za fizičku hemiju, Univerzitet u Beogradu)
- Deputy Head of the COST action at the level of Serbia (European Project Action CMST CM1304 *Emergence and Evolution of Complex Chemical Systems*), 2013.
- Participates in teaching of Novel Methods in Physical Chemistry Course at doctoral studies, Faculty of Physical Chemistry, University of Belgrade (2013.–2007.)
- Lecturer at a Conference of national importance, *8th Serbian symposium in area of non-linear sciences*, Belgrade, Serbia, 2012.
- Chairwomen for Section of Nonlinear Dynamic (*11th* and *9*th *International Conference on Fundamental and Applied Aspects of Physical Chemistry*–Physical Chemistry, Belgrade, Serbia, 2012. and 2008.)

- Member of Local Executive Committee of *International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia* (2010., 2008., 2006. and 2004.)
- Reviewer in the numerous international journals (2013.–2006.) *Journal Chemical Society of Pakistan, Journal of Serbian Chemical Society, Central European Journal of Chemistry, Journal of Applied Electrochemistry, International Journal of Environmental Analytical Chemistry, Portugaliae Electrochimica Acta, Electrochimica Acta, Phytochemical Analysis, Russian Journal of Physical Chemistry, Current Physical Chemistry*, *Scientific World Journal*, and one national: *Hemijska industrija*, as well as in papers of *International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrade, Serbia*
- Member of the editorial board of the journal *Dataset Papers in Pysical Chemistry* (open access journal, ISSN: 2090-9373), 2012.
- Research assistant professor degree– (Ministry of Science and Environmental Protection of Serbia, 2006.)
- Member of the Society of Physical Chemistry of Serbia (DFHS)

Projects:

- Emergence and Evolution of Complex Chemical Systems – Chemistry and Molecular Sciences and Technologies, COST Action CM1304 (European Project in the framework of COST), 2013 – 2016.
- Nonlinear Dynamics of Physicochemical and Biological Systems with Modeling and Prediction of their Behavior under Nonequilibrium Conditions (Faculty of Physical Chemistry, University of Belgrade, grant number 172015, Ministry of Education, Science and Technological Development), 2011. – 2015.
- Physical Chemistry of Dynamic States and Structures of Non-linear Systems – from Monotonic to Oscillatory Evolution and Chaos (Faculty of Physical Chemistry, University of Belgrade, grant number 142025, Ministry of Science and Environmental Protection of Serbia), 2006. – 2010.
- Phyical Chemistry of Dynamic States and Structures of Non-equilibrium Systems, Multistability and Oscillatory (Faculty of Physical Chemistry, University of Belgrade, grant number 1448), Ministry of Sciences and Environmental Technologies and Development of Serbia), 2000.–2005.

Selected publications:

- **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
  Hel. Chim. Acta 97: 47–55, 2014.
- **Pejić N.**, Sarap N., Maksimović J., Anić S., Kolar-Anić Lj.
  Pulse perturbation technique for determination of piroxicam in pharmaceuticals using an oscillatory reaction system
  Cent. Europ. J. Chem. 11: 180–8, 2013.
- **Pejić N**., Maksimović J., Blagojević S., Anić S., Čupić Ž., Lj. Kolar-Anić
  Kinetic analytical method for determination of uric acid in human urine using analyte pulse perturbation technique
  ***J. Braz. Chem. Soc*.** 23: 1450–9, 2012.

- **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*.* 389: 2009–17, 2007.
- Kuntić V., **Pejić N.**, Ivković B., Vujić Z., Ilić K., Mićić S., Vukojević V.
  Isocratic RP–HPLC method for rutin determination in solid oral dosage forms
  J. Pharm. Biomed. Anal. 43: 718–21, 2007.
- **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 582: 367–74, 2007.
- **Pejić N.**, Blagojević S., Vukelić J., Kolar-Anić Lj., Anić S.
  Analyte pulse perturbation technique for the determination of 6–monoacetylmorphine in seized street drug sample
  Bull. Chem. Soc. Jpn. 80: 1942–8, 2007:
- **Pejić N.**, Kolar-Anić Lj., Anić S., Stanisavljev D.,
  Determination of paracetamol in pure and pharmaceutical dosage forms by pulse perturbation technique
  J. Pharm. Biomed. Anal**.** 41: 610–5, 2006.
- **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. 381: 775–80, 2005.
- **Pejić N.**, Anić S., Kuntić V., Vukojević V., Kolar – Anić Lj.,
  Kinetic determination of microquantities of rutin by perturbation of the Bray-Liebhafsky Oscillatory reaction in an open system
  Microchimica Acta 143: 261–7, 2003.