

## SLAVICA FILIPIĆ

### Employment Information:

- **2014-Present** Assistant Professor, Department of Pharmaceutical Chemistry, University of Belgrade-Faculty of Pharmacy, Serbia
- **2007-2014** Teaching Assistant, Department of Pharmaceutical Chemistry, University of Belgrade-Faculty of Pharmacy
- **2005-2007** Teaching Associate, Department of Pharmaceutical Chemistry, University of Belgrade-Faculty of Pharmacy

### Education:

- **2014**– Enrolled in first year of specialist studies for Drug Testing and Control program
- **2013**–PhD, defended PhD thesis entitled: "Quantitative structure activity/retention relationships of imidazoline and  $\alpha_2$  adrenergic receptors ligands" mentored by Professor Danica Agbaba, and Assistant Professor Katarina Nikolić, University of Belgrade-Faculty of Pharmacy, Serbia
- **2005**– BSc, University of Belgrade-Faculty of Pharmacy, Serbia

### Training:

- September **2014**, Short Term Scientific Mission at the Department of Biochemistry and Molecular and Cellular Biology, University of Zaragoza, Spain (Cost Action CM1103)
- August **2014**, Workshop "Introduction to Cheminformatics and QSAR Modeling using the MOE Platform" St. Petersburg, Russia
- September **2013**, COST CM1103 Training School: "Structure-based drug design for diagnosis and treatment of neurological diseases", Istanbul, Turkey
- September **2009**, "Vienna Summer School on Drug Design", Vienna, Austria
- **2007-2010** Short Term Scientific Missions (4 months) at the Laboratory for Food Chemistry, National Institute of Chemistry, Ljubljana, Slovenia

### Academic awards and distinctions:

- Award for the best scientific work at the Faculty of Pharmacy, University of Belgrade for 2012/2013 academic year
- The Scholarship of the Municipality of Krupanj for undergraduate students

- The Scholarship of the Ministry of Education of Republic of Serbia for undergraduate students

#### **Teaching activities:**

- Teaching activities involved in the Integrated Academic Studies (Master of Pharmacy) for Pharmaceutical Chemistry II and Pharmaceutical Chemistry III (mandatory courses)
- Mentor and member of the Commission of Students Final Papers
- Mentor of students' scientific research papers

#### **Activities within the Faculty:**

- **2014-** Member of the Enrolment Commission at the Faculty of Pharmacy, University of Belgrade
- **2014 -** Member of the QMS Working group

#### **Activities within wider Academic Community:**

- Member of the Pharmaceutical Association of Serbia
- Member of the Commission for Evaluation of Students' Scientific Works at "56<sup>th</sup> Congress of students of biomedical sciences of Serbia with international participation", Kopaonik, May 2013.
- Reviewer for international scientific journals: Acta Chromatographica, The Journal of AOAC International, Journal of Pharmaceutical and Biomedical Analysis

#### **Projects:**

- **2011–2015** Fundamental Research Project in the field of chemistry: "*Synthesis, Quantitative Structure Activity Relationship studies, Physico-Chemical Characterization and Analysis of Pharmacologically Active Substances*" (Project No. 172033) funded by Ministry of Education, Science and Technological Development of Republic of Serbia
- **2011–2015** COST (European Cooperation in the field of Scientific and Technical Research) project: "*Structure-based drug design for diagnosis and treatment of*

*neurological diseases: dissecting and modulating complex function in the monoaminergic systems of the brain*”, Action CM1103

- **2008–2011** COST (European Cooperation in the field of Scientific and Technical Research) project: “*Free Radicals in Chemical Biology (CHEMBIORADICAL)*“, Action CM0603
- **2006–2010** Fundamental Research Project in the field of chemistry: “*Synthesis, Quantitative Structure/Properties and Activity Relationship studies, Physico-Chemical Characterization and Analysis of Pharmacologically Active Substances*” (Project No. 142071) funded by Ministry of Education, Science and Technological Development of Republic of Serbia
- **2008–2009** Bilateral project between the Faculty of Pharmacy, University of Belgrade, Serbia and the National Institute of Chemistry, Ljubljana, Slovenia: “*Determination of active ingredients in dietary supplements*”, Project coordinators Prof. dr. Danica Agbaba and dr. Irena Vovk
- **2005–2007** Bilateral project between the Faculty of Pharmacy, University of Belgrade, Serbia and the National Institute of Chemistry, Ljubljana, Slovenia “*Chromatographic methods in analysis of pharmacologically active compounds, investigation of QSPR and QSAR*”, Project coordinators Prof. dr. Danica Agbaba and dr. Irena Vovk

### **Publications:**

- Nikolic K., Filipic S., Agbaba D., Stark H. Procognitive Properties of Drugs with Single and Multitargeting H<sub>3</sub> Receptor Antagonist Activities. *CNS Neuroscience & Therapeutics*, 2014, 20, 613-623.
- Filipic B., Nikolic K., Filipic S., Jovcic B., Agbaba D., Antic Stankovic J., Kojic M., Golic N. Identifying the CmbT substrates specificity by using a quantitative structure–activity relationship (QSAR) study. *Journal of the Taiwan Institute of Chemical Engineers* 2014, 45, 764-771.
- Shenger M.S.M, Filipic S., Nikolic K., Agbaba D. Estimation of Lipophilicity and Retention Behavior of Some Alpha Adrenergic and Imidazoline Receptor Ligands Using RP-TLC. *Journal of Liquid Chromatography & Related Technologies* 2014, 37, 2829-2845.
- Filipic S., Nikolic K., Vovk I., Krizman M., Agbaba D. Quantitative structure-mobility relationship analysis of imidazoline receptor ligands in CDs-mediated CE. *Electrophoresis* 2013, 34, 471-482.
- Nikolic K., Filipic S., Smoliński A., Kaliszan R., Agbaba D. Partial least square and hierarchical clustering in ADMET modeling: Prediction of blood – brain barrier permeation of  $\alpha$ -Adrenergic and imidazoline receptor ligands. *Journal of Pharmacy and Pharmaceutical Sciences* 2013, 16, 622-647.

- Djekic Lj., Primorac M., Filipic S., Agbaba D. Investigation of surfactant/cosurfactant synergism impact on ibuprofen solubilization capacity and drug release characteristics of nonionic microemulsions. *International Journal of Pharmaceutics* 2012, 433, 25-33.
- Nikolic K., Filipic S., Agbaba D. Multi-target QSAR and docking study of steroids binding to corticosteroid-binding globulin and sex hormone-binding globulin. *Current Computer-Aided Drug Design* 2012, 8, 296-308.
- Ranković K., Filipić S., Nikolić K., Agbaba D. TLC determination of tiapride hydrochloride and its impurities in pharmaceuticals. *Journal of Liquid Chromatography & Related Technologies* 2012, 35, 1336-1345.
- Antic D., Filipic S., Ivkovic B., Nikolic K., Agbaba D. Direct separation of clopidogrel enantiomers by reverse-phase planar chromatography method using  $\beta$ -cyclodextrin as a chiral mobile phase additive. *Acta Chromatographica* 2011, 23, 235–245
- Nikolic K., Filipic S., Agbaba D. QSAR study of imidazoline antihypertensive drugs. *Bioorganic & Medicinal Chemistry* 2008, 16, 7134–7140.