

ANĐELIJA MALENOVIĆ

Employment Information:

- Associate professor, 2014.
- Assistant professor, 2009 - 2014.
- Assistant, 2002. - 2009.
- Teaching assistant, 1995. - 2002.

Education:

2008. Specialist in Drug Quality Control - Faculty of Pharmacy, University of Belgrade
Title of specialist work: "Pharmaceutical analysis of indinavir- sulfate and its amide functional group degradation products & Position of indinavir sulfate in the treatment of HIV infection", presented 1. 07. 2008. at the Faculty of Pharmacy, University of Belgrade.
2007. PhD degree - Faculty of Pharmacy, University of Belgrade
Disertation title "Formulation and characterization of microemulsion eluents for the pharmaceutical analysis of simvastatin" presented 27. 09. 2007. at the Faculty of Pharmacy, University of Belgrade.
2002. Master degree - Faculty of Pharmacy, University of Belgrade
Master thesis title "The analysis of multicomponent dosage forms applying derivative spectrophotometry and reversed phase liquid chromatography and the definition of fundamental, functional and statistical parameters" presented 9. 07. 2002. at the Faculty of Pharmacy, University of Belgrade.
1995. Pharmacist, Bsc - Faculty of Pharmacy, University of Belgrade
graduated 13. 01. 1995.
1990. gymnasium

Teaching activities:

- Integrated Academic Studies: participates in lectures and practical classes at mandatory course in Pharmaceutical Analysis, as well as elective courses in Regulatory Affairs in Quality Control, Medical Devices, Sport Pharmacy and Experimental Design.
- Doctoral studies: Pharmaceutical Analysis.
- Health Specialization: Drug Quality Control.

- Academic specialization: Medical Products Release, Pharmacotherapy in Pharmaceutical Practice.
- Mentor of two presented doctoral thesis
 - Nada M. Kostić. Bioanalysis of zwitterionic antiepileptics derivatized with n-alkyl chloroformates by applying liquid chromatography with mass spectrometry detection, University of Belgrade - Faculty of Pharmacy, 2015.
 - Ana M. Vemić. Chaotropic agents in liquid chromatographic analysis of selected antiparkinsonics - modelling and system characterisation, University of Belgrade - Faculty of Pharmacy, 2015.
- Mentor of three PhD students.
- Member of committee for the presentation of two doctoral theses.
- Mentor of four specializations on health specialization in Drug Quality Control.
- Mentor of two presented specializations and member of committee for the presentation of four specializations.
- Mentor and member of the committee for undergraduate thesis.
- Mentor and co-mentor of students' research work within the Center of students' scientific research work.

Textbooks:

- Darko Ivanović, Mira Zečević, Anđelija Malenović: Drug Analysis, Textbook for laboratory work, Krug, Belgrade, 2000.
- Anđelija Malenović, Biljana Stojanović: Pharmaceutical analysis, practicum, Belgrade, 2010.

Activities within the Faculty:

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| from 2013. | Member of the Commission for improving the quality of teaching at the Faculty of Pharmacy |
| 2011. - 2015. | President of the <i>Council of the fifth year</i> |
| 2009 - 2011. | A member of the working group for the preparation of curriculum for academic specialization Medical products Release |

Activities within wider Academic Community:

- Expert appointed by Medicines and Medical Devices Agency of Montenegro and Medicines and Medical Devices Agency of Serbia.
- Technical expert appointed by Accreditation Body of Serbia.

- Lecturer at the two course of continuing education held at the Faculty of Pharmacy.
- Reviewer of 13 international SCI journals.
- Membership in the program committees of conferences
 1. Member of Scientific board of The XXXIX Symposium chromatographic methods of investigating the organic compounds, Szczyrk, Poland, 2016.
 2. Member of Scientific board of Sixth Congress of Pharmacy of Serbia with International Participation, Belgrade, Serbia, 2014.
- Special guest co-editor of special issue of Journal of AOAC International with title "New Methods for Drug Analysis in Biological Samples and Other Matrixes".
- Invited oral presentations at international conferences
 1. **Malenović A.**, Čolović J., Kalinić M., Vemić A., Erić S. Investigation into the phenomena affecting the retention behavior of basic analytes in chaotropic chromatography, *The XXXIX Symposium chromatographic methods of investigating the organic compounds*, Szczyrk, Poland, 2016.
 2. **Malenović, A.**, Vemić. Quality by design (QBD) in pharmaceutical analysis, *6th Ordinary National Congress of Metrology*, Athens, Greece 2016.
 3. **Malenović, A.**, Vemić, A. Chaotropic chromatography in pharmaceutical analysis, *26th International Symposium on Pharmaceutical and Biomedical Analysis*, Tbilisi, Georgia, 2015.
 4. **Malenović, A.** The liquid chromatographic guide to the galaxy of organic impurities. *The XXXV Symposium chromatographic methods of investigating the organic compounds*, Szczyrk, Poland, 2012.

Projects:

Participation in national projects

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| 1995. – 2000. | Drugs and modern methods for their analysis and control (Ministry of science, Republic of Serbia) |
| 2005. – 2010. | Formulation and characterization of separation systems for drug substances' retention behavior modelling with chemometrical support (project No. 142077) (Ministry of science and technological development, Republic of Serbia) |
| 2010. – 2016. | Modelling of different chromatographic systems with chemometrical approach in pharmaceutical analysis (project No. 172052) (Ministry of education, science and technological development, Republic of Serbia) |

Non-scientific project

2010. – 2013. 158897-TEMPUS-1-2009-1-RS-TEMPUS-JPCR Postgraduate Qualification in Pharmacy: The Way Forward, Faculty of Pharmacy, University of Belgrade, Project leader prof. dr Jelena Parojčić

Publications:

- Čolović, J., Kalinić, M., Vemić, A., Erić, S., **Malenović, A.**: Investigation into the phenomena affecting the retention behavior of basic analytes in chaotropic chromatography: Joint effects of the most relevant chromatographic factors and analytes' molecular properties, *J. Chromatogr. A* 2015; 1425: 150–157.
- Kostić, N., Dotsikas, Y., Jović, N., Stevanović, G., **Malenović, A.**, Medenica, M.: Quantitation of pregabalin in dried blood spots and dried plasma spots by validated LC–MS/MS methods. *J. Pharmaceut. Biomed.* 2015; 109: 79–84.
- Vemić, A., Rakić, T., **Malenović, A.**, Medenica, M.: Chaotropic salts in liquid chromatographic method development for the determination of pramipexole and its impurities following quality-by-design principles. *J. Pharm. Biomed. Anal.* 2015; 102: 314–320.
- Vemić, A., Kalinić, M., Erić, S., **Malenović, A.**, Medenica, M.: The influence of salt chaotropicity, column hydrophobicity and analytes' molecular properties on the retention of pramipexole and its impurities. *J. Chromatogr. A* 2015; 1386: 39–46.
- Kostić, N., Dotsikas, Y., **Malenović, A.**: Critical review on the analytical methods for the determination of zwitterionic antiepileptic drugs-vigabatrin, pregabalin, and gabapentin - in bulk and formulations. *Instrum. Sci. Technol.* 2014; 42: 486–512.
- Kostić, N., Dotsikas, Y., Jović, N., Stevanović, G., **Malenović, A.**, Medenica, M.: Vigabatrin in dried plasma spots: Validation of a novel LC-MS/MS method and application to clinical practice. *J. Chromatogr. B* 2014; 962: 102–108.
- Vemić, A., **Malenović, A.**, Medenica, M.: The influence of inorganic salts with chaotropic properties on the chromatographic behavior of ropinirole and its two impurities. *Talanta* 2014; 123: 122–127.
- Vemić, A., **Malenović, A.**, Rakić, T., Kostić, N., Jančić–Stojanović, B.: Chemometrical tools in the study of the retention behavior of azole antifungals. *J. Chromatogr Sci.* 2014; 52: 95–102.
- Kostić, N., Dotsikas, Y., **Malenović, A.**, Jančić–Stojanović, B., Rakić, T., Ivanović, D., Medenica, M.: Stepwise optimization approach for improving LC–

MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. *J. Mass Spectrom.* 2013; 48 (7): 875–884.

- Kostić, N., Dotsikas, Y., **Malenović, A.**, Medenica, M.: Effects of derivatization reagents consisting of n-alkyl chloroformate/n-alcohol combinations in LC–ESI–MS/MS analysis of zwitterionic antiepileptic drugs. *Talanta* 2013; 116: 91–99.
- **Malenović, A.**, Dotsikas, Y., Mašković, M., Jančić–Stojanović, B., Ivanović, D., Medenica, M.: Desirability–based optimization and its sensitivity analysis for the perindopril and its impurities analysis in a microemulsion LC system. *Microchemic. J.* 2011; 99: 454–460.
- **Malenović, A.**, Medenica, M., Ivanović, D., Jančić, B.: Influence of structural and interfacial properties of microemulsion eluent on chromatographic separation of simvastatin and its impurities. *J. Chromatogr. A* 2006; 1131 (1–2): 67–73.
- **Malenović, A.**, Ivanović, D., Medenica, M., Jančić, B., Marković S.: Retention modelling in liquid chromatographic separation of simvastatin and its six impurities applying microemulsion as eluent. *J. Sep. Sci.* 2004; 27 (13): 1087–1092.