

INES NIKOLIĆ

Employment Information:

- Since September 2018: **Teaching Assistant** at the Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade
- August 2016 - September 2018: **Researcher on the project of technological development** TR34031 *Development of micro- and nanosystems for delivery of drugs with anti-inflammatory activity and methods for their characterization*, at the Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade, with parallel participation in the implementation of practical classes at the Department.
- October 2015 - August 2016: **Teaching Associate** at the Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade

Education:

- Since October 2015: **Ph.D. student** at the Faculty of Pharmacy, University of Belgrade - module Pharmaceutical Technology
- 2015 - 2016: completed internship for pharmacists, in the public pharmacy *Mr Matej Ivanović (Pharmacy Belgrade)*, and in the Pharmaceutical Sector of the Military Medical Academy in Belgrade
- March 2016: professional exam for pharmacists
- 2010 - 2015: Faculty of Pharmacy, University of Belgrade
- 2006-2010: Ninth Belgrade Highschool *Mihailo Petrovic Alas i*

Training

- September 2021: Training Course *Colloids for food and pharmaceutical applications* (European Colloid and Interface Society, Athens, Greece)
- June 2021: **Training Financial Implementation of the Horizon Europe Projects** (European Training Academy and United Nations Development Program, Belgrade)
- May 2021: *Summer School on Non-animal Approaches in Science* (EU Reference Laboratory for Alternatives to Animal Testing, Joint Research Center of the European Commission)
- February 2020: **Online education Importance of Drug Delivery in the Combat of COVID-19** (International Association of Pharmaceutical Technology and *Lipoid GmbH*)
- November 2019: **Boosting Capacities for Advanced Characterization of Nanodispersed Drug Delivery Systems** (Nanobiotechnology laboratory of the EC Joint Research Center)
- November 2019: Workshop **3 Generations of PCR** (organized by companies *Labena* and *BioRad*; Belgrade)
- April 2019: **Training School Immunoactive carbohydrates and adjuvants: antibacterial vaccines, from research to clinical trials** (COST project ENOVA; Siena, Italy)
- March 2019: **Training in writing H2020 projects proposals** (European Training Academy, Belgrade)

- June 2018: *Nanomedicine Course Rome* – summer school on physicochemical characterization of nanosystems (Istituto Superiore di Sanita, Rome, Italy)
- May 2018: International workshop *New Biotechnological Drugs and Biosimilars with Focus on Danube and Adriatic-Ionian Macroregion: A Case for Smart Specialization in Research and Innovation* (Belgrade)
- May 2016 - May 2018: *Training and Research for Academic Newcomers* - a program of continuous professional development for teaching and research staff of the University of Belgrade, organized by the University of Belgrade and the King Baudouin Foundation, within 6 modules:
 - *Higher Education Didactics*
 - *Designing Higher Education Curricula*
 - *Networking and Teamwork*
 - *Preparing Project Application and Project Management*
 - *Communication and Presenting Skills*
 - *Research Methodology, Scientific Writing and Result Presentation*
- September 2016: International workshop *Nano for Health* (Belgrade)
- September 2014: *Danube Innovation Partnership International Summer School on Knowledge and Technology Transfer* (organized by the EC Joint Research Center, World Intellectual Property Organization, University of Belgrade, Center for Technology Transfer of the University of Belgrade and Intellectual Property Office of the Republic of Serbia)

Academic awards and distinctions:

- Award for the best oral presentation at the *42nd International Semiconductor Conference*, October 9-11, 2019, Sinaia, Romania
- 2010 - 2015: Scholarship of the Republic Foundation for the Development of Scientific and Artistic Youth of the Republic of Serbia
- 2006 - 2010: Scholarship of the City of Belgrade

Teaching activities:

I participate in conducting practical classes in 3 compulsory courses and 1 elective course within integrated academic studies (Pharmacy), at the Department of Pharmaceutical Technology and Cosmetology:

- Pharmaceutical Technology 1 (VI semester, compulsory subject),
- Pharmaceutical Technology 2 (VII semester, compulsory subject),
- Cosmetology (IX semester, compulsory subject),
- Fundamentals of the Pharmaceutical Biotechnology (X semester, elective course).

Since 2020/2021 school year, I participate in the organization and implementation of practical classes at the specialization academic studies - module Cosmetology.

Textbooks:

- Lukić M, Pantelić I, Ilić I, Nikolić I. *Praktikum iz kozmetologije*. Beograd: Farmaceutski fakultet, 2021.

Activities within the Faculty:

- Since 2020: Teacher-mentor for students who attend studies in English
- Since 2019: Member of the Commission for the Student Research Work of the Faculty of Pharmacy, University of Belgrade
- Since 2018: Member of the Working Group for Science and International Collaboration the Faculty of Pharmacy, University of Belgrade
- Since 2108: Member of the Commission for the Improvement of the Quality of the Postgraduate Studies at the Faculty of Pharmacy, University of Belgrade

Projects:

- H2020-IMI *Neurotoxicity De-Risking in Preclinical Drug Discovery (NeuroDeRisk; 2019-2022)*
- Project of bilateral collaboration between Germany and Serbia *Innovative nanoformulations for brain/skin delivery (2020-2021)*
- EC Joint Research Center Training and Capacity Building Project *Advanced Training and Capacity Building for In Chemico/In Vitro Studies of Cosmetic Nanomaterials and Nanostructured Products (NanoCosMetrics, 2020)*
- EC Joint Research Center Training and Capacity Building Project *Boosting Capacities for Advanced Characterization of Nano-Dispersed Drug-Delivery Systems (NanoDiction, 2019)*
- In March 2021, the European Commission approved funding for the research project *Nanoparticle Enabled Medicinal Products: Temptations in the Step-by-Step Characterization (NanoTemptAble)*, under the Open Access to JRC Infrastructures 2021 call, which is expected to begin in 2022.
- Until 31.12.2019: participation in the national project of the Ministry of Education, Science and Technological Development of the Republic of Serbia *Development of micro- and nanosystems as carriers for drugs with anti-inflammatory activity and methods for their characterization* (technological development project 34031).

Publications

Theochari I, Mitsou E, **Nikolic I**, Ilic T, Dobricic, V, Pletsa V, Savić S, Xanakis A, Papadimitriou V. (2021). Colloidal nanodispersions for the topical delivery of Ibuprofen: Structure, dynamics and bioperformances. *Journal of Molecular Liquids*, 116021.

Theochari I, Ilić T, **Nikolić I**, Dobričić V, Tenchiou A, Papahatjis D, Savić S, Xenakis A, Papadimitriou A, Pletsa, V. (2021). Biological Evaluation of Oil-in-Water Microemulsions as Carriers of Benzothiophene Analogues for Dermal Applications. *Biomimetics*, 6(1), 10.

Nikolić I, Gledović A, Tamburić S, Major T, Savić S. (2020) Nanoemulsions as Carriers for Natural Antioxidants: Formulation Development and Optimisation. In: Aboudzadeh M.A. (eds) Emulsion-based Encapsulation of Antioxidants. Food Bioactive Ingredients. Springer, Cham.

Nikolić I, Mitsou E, Damjanović A, Papadimitriou V, Antić-Stanković J, Stanojević B, Xenakis A, Savić S. (2020). Curcumin-loaded low-energy nanoemulsions: Linking EPR spectroscopy-analysed microstructure and antioxidant potential with in vitro evaluated biological activity. *Journal of Molecular Liquids*, 301.

Nikolić I, Mitsou E, Pantelić I, Randjelovic D, Marković B, Papadimitriou V, Xenakis A, Lunter DJ, Zugić A, Savić, S. (2020). Microstructure and biopharmaceutical performances of curcumin-loaded low-energy nanoemulsions containing eucalyptol and pinene: Terpenes' role overcome penetration enhancement effect? *European Journal of Pharmaceutical Sciences*, 142, 105135.

Lemoine, C, Thakur A, Krajišnik D, Guyon R, Longet S, Razim A, Gorska S, Pantelić I, Ilić T, **Nikolić I**, Lavelle EC, Gamian A, Savić S, Miličić A. (2020). Technological approaches for improving vaccination compliance and coverage. *Vaccines*, 8(2), 304.

Nikolić I, Antić-Stanković J, Božić D, Randjelovic D, Marković B, Lunter DJ, Kremenović A, Savić M, Savić S. (2020). Curcumin nanonization using an alternative small-scale production unit: selection of proper stabilizer applying basic physicochemical consideration and biological activity assessment of nanocrystals. *Reviews on Advanced Materials Science*, 59(1), 406-424.

Schmidberger M. **Nikolić I**, Pantelić I, Lunter D. (2019). Optimization of Rheological Behaviour and Skin Penetration of Thermogelling Emulsions with Enhanced Substantivity for Potential Application in Treatment of Chronic Skin Diseases. *Pharmaceutics*, 11(8), 361.

Krajišnik D, Ilić T, **Nikolić I**, Savić, S. (2019). Established and advanced adjuvants in vaccines' formulation: Mineral adsorbents, nanoparticulate carriers and microneedle delivery systems. *Arhiv za farmaciju*, 69(6), 420-451.

Nikolic I, Lunter DJ, Randjelovic D, Zugic A, Tadic V, Markovic B, Cekić N, Živković L, Topalović D, Spremo-Potparević B, Savic, S. (2018). Curcumin-loaded low-energy nanoemulsions as a prototype of multifunctional vehicles for different administration routes: Physicochemical and in vitro peculiarities important for dermal application. *International journal of pharmaceutics*, 550(1-2), 333-346.