TANJA ILIĆ (maiden name Tanja Isailović)

Employment Information:

- Since 2021 Teaching assistant with PhD degree at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade-Faculty of Pharmacy
- 2018 – 2021 Teaching assistant at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade-Faculty of Pharmacy
- 2014 –2018. Research assistant at the project within technological development program (TR34031)
- 2012 – 2014. Teaching associate at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade-Faculty of Pharmacy
- 2012 – 2013. Pharmacy internship at Pharmacy „*Beograd*“ (pharmacy „*Đuro Đaković*“) and Central Pharmacy of Clinical Center of Serbia

Education:

- Since 2020 Specialist academic studies – Cosmetology
- 2012–2019 PhD degree in the field of Pharmaceutical Technology, University of Belgrade-Faculty of Pharmacy (dissertation entitled – "Micro- and nanostructured emulsion systems based on polyhydroxy surfactants for aceclofenac delivery into/through the skin using chemical penetration enhancers and microneedles", under mentorship of Prof. Snežana Savić)
- 2005 – 2011. Degree in Pharmacy, University of Belgrade-Faculty of Pharmacy (average grade 9,68/10,0)
- 2001 – 2005. First grammar school, Kragujevac (mathematics and natural sciences profile), average grade 5.0/5.0
- 2001 – 2005. High music school "dr Miloje Milojević", Kragujevac (department piano)

Training:

- 2021. 12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, May 11 – 14 (online)
- 2019. 3rd Braunschweig International Symposium on Pharmaceutical Engineering Research, September 25 – 27 Braunschweig, Germany
- 2019. 10th International Congress Nanotechnology in Biology & Medicine, April 15 – 17 Graz, Austria.

- 2016. TAIEX Workshop on Challenges of Bioequivalence Assessment, Belgrade, December 7-8 Belgrade
- 2015/2016. Two months the Department of Pharmaceutical Technology of the Eberhard Karls University in Tübingen (Germany)
- 2015. Training course for the work with laboratory animals Principles of using animals for scientific purposes, Belgrade, Serbia
- 2015. Seminar „HPLC Troubleshooting“, October 30, „Galenika“ A.D., Belgrade
- 2013. Seminar “Fundamental and Applications of Controlled Release and Drug Delivery”, prof. Nicholas A. Peppas, May 23, Belgrade, Serbia
- 2012. Seminar „Advanced Dissolution Seminar” organized by Tempus PQPharm project, November 24, Belgrade
- 2010. Internship at the Department of Quality Control – “Galenika” A.D., September 20–24, Belgrade, Serbia
- 2009 – 2011. English language courses in the Center for foreign languages “Equilibrio

Academic awards and distinctions:

- 2018. Second award for the best research paper of PhD students of the University of Belgrade-Faculty of Pharmacy during the year 2018
- 2014. Third award for the best poster presentation at the VI Serbian Congress of Pharmacy with international participation, organized by Pharmaceutical Association of Serbia, October 15–19.
- 2009 – 2011. Grant of Knić Municipality for the best students
- 2006 – 2009. Grant for exceptional students, awarded by the Ministry of education, science and technological development, Republic of Serbia

Teaching activities:

- Realization of the practical part of different courses (Pharmaceutical Technology 1, Pharmaceutical Technology 2, Cosmetology) at the level of integrated academic studies as well as practical course at the specialist academic studies in Cosmetology
- Member of the Committee for the defense of 39 diploma theses
- Work with the students within the Center for Student Research

Textbooks:

- Cosmetology Practicum, Milica Lukić, Ivana Pantelić, Tanja Ilić, Ines Nikolić, 1. edition, Faculty of Pharmacy, Belgrade, 2021.

Activities within the Faculty:

- 2021. Member of the committee at the III Compounding Event - The skill of making pharmaceuticals "Acne as an inevitable problem today: How to treat them? Let's find the right ally!"
- 2020. Member of the Committee for the implementation of student professional practice (integrated academic studies, the study program Pharmacy).
- 2019. Member of the creative team of the Faculty of Pharmacy at the event "Open doors of the Faculty of Pharmacy", October 8, Belgrade 2018.
- Member of the creative team of the Faculty of Pharmacy at the 12th Science Festival, November 29 – December 2, Belgrade
- 2014. Representative of Faculty of Pharmacy at the 5th Education Fair, Belgrade Fair, October 21–28, Belgrade
- 2013. Representative of the Faculty of Pharmacy at the 57th International Fair of Technology and Technical Achievements, May 13-17, Belgrade
- .2012. Member of the creative team of the Faculty of Pharmacy at the 6th Science Festival, November 29 – December 2, Belgrade.

Activities within wider Academic Community:

- Reviewer for the following international journals: *Journal of Pharmaceutical Sciences*, *Pharmaceutics*, *Materials*
- Member of Pharmaceutical Society of Serbia

Projects:

- 2021-2024 Ongoing project "*Neuroimmune aspects of mood, anxiety and cognitive effects of leads/drug candidates acting at GABAA and/or sigma-2 receptors: In vitro/in vivo delineation by nano- and hiPSC-based platform (acronym NanoCellEmoCog)* funded by Science Fund Republic of Serbia (Program IDEAS)
- 2020-2021 Project "*Natural cosmetic nano-serum with Red Raspberry Seed Oil of Serbian origin for antioxidant treatment of skin photoaging*" (No. 5575) funded by Innovation fund Republic of Serbia (Proof of concept program)
- 2020-2021 Ongoing bilateral project "*Innovative nanoformulations for brain/skin delivery of patented vs. reference active substances: novel formulation approaches and tailored in vitro/in vivo methods for delivery assessment*" between Republic of Serbia (Prof. dr Snežana Savić) and Germany (Prof. dr Dominique Lunter)

- 2020. Project "*Advanced In Chemico/In Vitro Training and Capacity Building for Safe Cosmetic Nanomaterials and Nanostructured Products*" (acronym NanoCosMetrics), for Training and Capacity Building Workshop on Nanobiotechnology, organized by Joint Research Centre of European Commission (Training session – Practical training on the physico-chemical analysis of nanomaterials), November 16 – 20. (online)
- 2019 Project "*Boosting Capacities for Advanced Characterization of Nano-Dispersed Drug-Delivery Systems*" (acronym NanoDiction) for Training and Capacity Building Workshop on Nanobiotechnology, organized by Joint Research Centre of European Commission (Training session – In vitro assays for nanomaterials assessment), November 24 – 29, Ispra, Italy.
- 2014-2019 National project "*Development of micro- and nanosystems for drugs with anti-inflammatory effect and methods for their characterization*" (TR34031) funded by Ministry of Education, Science and Technological Development
- 2015-2016. Bilateral project "*Formulation of micro-, nano-* and *surfactant-free emulsion systems for poorly soluble drugs: development and optimization of ex vivo and in vivo evaluation methods*" between Republic of Serbia (Prof. dr Snežana Savić) and Germany (Prof. dr Rolf Daniels)

Publications:

1. **Ilić T**, Pantelić I, Savić S. The Implications of Regulatory Framework for Topical Semisolid Drug Products: From Critical Quality and Performance Attributes towards Establishing Bioequivalence. Pharmaceutics. 2021; 13(5):710. doi: 10.3390/pharmaceutics13050710**.**
2. Bubić Pajić N, Vucen S, **Ilić T**, O'Mahony C, Dobričić V, Savić S. Comparative efficacy evaluation of different penetration enhancement strategies for dermal delivery of poorly soluble drugs - A case with sertaconazole nitrate. Eur J Pharm Sci. 2021; 164:105895. doi: 10.1016/j.ejps.2021.105895.
3. Theochari I, Mitsou E, Nikolic I, **Ilic T**, Dobrcic V, Plersa V, Savic S, Xenakis A, Papadimitriou V. Colloidal nanodispersions for the topical delivery of Ibuprofen: Structure, dynamics and bioperformances. Journal of Molecular Liquids Journal of Molecular Liquids 2021;334:116021. doi: 10.1016/j.molliq.2021.116021.
4. Savić V, **Ilić T**, Nikolić I, Marković B, Čalija B, Cekić N, Savić S. Tacrolimus-loaded lecithin-based nanostructured lipid carrier and nanoemulsion with propylene glycol monocaprylate as a liquid lipid: Formulation characterization and assessment of dermal delivery compared to referent ointment. Int J Pharm. 2019; 569:118624. doi: 10.1016/j.ijpharm.2019.118624.

5. Lemoine C, Thakur A, Krajišnik D, Guyon R, Longet S, Razim A, Górska S, Pantelić I, Ilić T, Nikolić I, Lavelle EC, Gamian A, Savić S, Milicic A. Technological Approaches for Improving Vaccination Compliance and Coverage. Vaccines (Basel). 2020; 8(2):304. doi: 10.3390/vaccines8020304.
6. **Ilić T**, Savić S, Batinić B, Marković B, Schmidberger M, Lunter D, Savić M, Savić S. Combined use of biocompatible nanoemulsions and solid microneedles to improve transport of a model NSAID across the skin: In vitro and in vivo studies. European Journal of Pharmaceutical Sciences 2018; 125: 110–119. doi: 10.1016/j.ejps.2018.09.023.
7. **Ilić T**, Pantelić I, Lunter D, Đorđević S, Marković B, Ranković D, Daniels R, Savić S. Critical quality attributes, in vitro release and correlated in vitro skin permeation-in vivo tape stripping collective data for demonstrating therapeutic (non)equivalence of topical semisolids: A case study of "ready-to-use" vehicles. Int J Pharm. 2017; 528(1-2):253-267. doi: 10.1016/j.ijpharm.2017.06.018.
8. Savić V, Todosijević M, **Ilić T**, Lukić M, Mitsou E, Papadimitriou V, Avramiotis S, Marković B, Cekić N, Savić S. Tacrolimus loaded biocompatible lecithin-based microemulsions with improved skin penetration: Structure characterization and in vitro/in vivo performances. Int J Pharm. 2017; 529(1-2):491-505. doi: 10.1016/j.ijpharm.2017.07.036.
9. Đorđević SM, Santrač A, Cekić ND, Marković BD, Divović B, **Ilić TM**, Savić MM, Savić SD. Parenteral nanoemulsions of risperidone for enhanced brain delivery in acute psychosis: Physicochemical and in vivo performances. Int J Pharm. 2017; 533(2):421-430. doi: 10.1016/j.ijpharm.2017.05.051.
10. **Isailović T**, Đorđević S, Marković B, Ranđelović D, Cekić N, Lukić M, Pantelić I, Daniels R, Savić S. Biocompatible Nanoemulsions for Improved Aceclofenac Skin Delivery: Formulation Approach Using Combined Mixture-Process Experimental Design. J Pharm Sci. 2016;105(1):308-23. doi: 10.1002/jps.24706.