

JELENA DJURIS

Employment Information:

- 2017 - Associate Professor, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy
- 2012 – 2017 Assistant Professor, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy
- 2008 – 2012 Teaching Assistant, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy
- 2007 – 2008 Teaching Associate, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy

Education:

- 2010. Doctor of Medical Sciences - Pharmacy, University of Belgrade - Faculty of Pharmacy (title of doctoral dissertation: "Characterization of hydrophilic and lipid matrix tablets with controlled drug release using *in silico* methods")
- 2011. Pharmacy Specialist - Industrial Pharmacy, University of Belgrade - Faculty of Pharmacy (title of specialist thesis: "Application of the concept of quality design (Quality by Design) in the process of granulation of powder in a fluidized bed")
- 2007. graduate pharmacist, University of Belgrade, Faculty of Pharmacy

Training:

- In 2019 (March-October), the program of continuous education "Improvement of teaching and mentoring competencies for the education of health professionals" organized within the ERASMUS + project ReFEEHS and adopted by the Senate of the University of Belgrade (12 ECTS).
- 2016 (January) and 2012 (January) - professional training at PharmaSwiss, Belgrade.
- 2011 (June - October), postdoctoral training - Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Thessaloniki, Greece
- Oystar Hüttlin Training Course on the use of Mycrolab for tablet coating, granulation and tastemasking purposes. Skopje, Macedonia, April 7-9, 2009
- 2009. Laboratory for Industrial Pharmacy, Faculty of Pharmacy, University of Basel, Switzerland
- International Pharmaceutical Federation (FIP) pre-satellite workshops on pharmaceutical science & practice: Modern solid dosage form process design and development. Basel, Switzerland, August 29-30, 2008

Academic awards and distinctions:

- 2011. Scholarship of the Ministry of Education and Science of Serbia for postdoctoral training
- 2010. Award of the Belgrade Chamber of Commerce for the best doctoral dissertation
- 2009. Award for the best poster presentation entitled "Application of dynamic neural networks in modeling the release of drugs from hydrophilic and lipid matrix tablets", Biofarm Symposium 2009

Teaching activities:

- Integrated academic studies - study program Pharmacy, participation in theoretical and practical classes: Industrial Pharmacy, Pharmaceutical Technology 3 and Pharmaceutical dosage forms for the pediatric population.
- Specialist academic studies - study programs Industrial Pharmacy (Research and Development in the Pharmaceutical Industry, Quality Assurance in the Pharmaceutical Industry, Drug Registration, Drug Stability, Risk Management, Modern Approach to Drug Development) and Drug Marketing (Drug Formulation, Drug Production)
- Doctoral academic studies - Research and development of pharmaceutical forms of drugs, Advanced drug carriers, In silico - in vitro - in vivo methods of drug characterization, Preparation of project documentation)
- Mentor of 29 final theses on integrated academic studies, comentor of 2 defended doctoral dissertations, mentor of 5 specialist theses and 19 project assignments on specialist academic studies in Industrial Pharmacy
- Member of the commission for the defense of 37 final theses on integrated academic studies, 47 final or specialist theses on specialist academic studies and 3 defended doctoral dissertations

Textbooks:

- Đuriš J, Cvijić S, Aleksić I. Praktikum iz Farmaceutske tehnologije 3. 1. Izdanje. Izdavač: Univerzitet u Beogradu – Farmaceutski fakultet. ISBN: 978-86-6273-040-4. 2017.
- Đuriš J, Čalija B, Parojčić J, Ibrić S. Radna sveska za vežbe iz Industrijske farmacije. 1. izdanje. Izdavač: Univerzitet u Beogradu – Farmaceutski fakultet. ISBN: 978-86-6273-026-8. 2015.

- Computer aided applications in pharmaceutical technology, Editor: Jelena Djuris, Woodhead Publishing Series in Biomedicine, Woodhead Publishing Ltd., Cambridge, UK. ISBN 978-1-907568-27-5, 2013.
- Parojčić J, Ibrić S, Đuriš J, Aleksić I, Čalijs B. Odabrane farmaceutske tehnološke operacije. Multimedijalna publikacija. Izdavač: Farmaceutski fakultet Univerziteta u Beogradu. 2013.
- Krajišnik D, Grbić S, Đuriš J, Đekić Lj, Vasiljević D, Kovačević A, Čalijs B. Farmaceutska tehnologija II - praktikum, dopunjeno i izmenjeno izdanje. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2013.

Activities within the Faculty:

- Member of the Central Commission of the Faculty of Pharmacy in Belgrade (2021).
- Member of the Commission for Doctoral Studies of the University of Belgrade - Faculty of Pharmacy (since 2019).
- Member of the Editorial Board of the website of the Faculty of Pharmacy, University of Belgrade (from 2013-2019).
- Member of the working group for the development of the integrity plan of the Faculty of Pharmacy in Belgrade (2017).
- Member of the Commission for Postgraduate Specialist Studies of the University of Belgrade - Faculty of Pharmacy (from 2016-2019).
- Member of the Commission for scientific research work of students of the Faculty of Pharmacy (from 2016-2019).
- Member of the Commission for Enrollment in Integrated Academic Studies at the Faculty of Pharmacy (for the school year 2015/2016).
- Coordination of applications for the Alumni Organization of the Faculty of Pharmacy, University of Belgrade (since 2015).

Activities within wider Academic Community:

- Membership in the Federation of Pharmaceutical Associations of Serbia (SFUS).
- Member of the Society for Research of Materials of Serbia.
- Member of the Scientific Committee of the International Symposium III. Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, Szeged / Hungary, 20-22.01.2021. years.

- Member of the Scientific and Organizing Committee of the International Conference on Current Challenges and Future Opportunities for Inhalation Therapies, Athens / Greece, 30.09.-02.10.2019.
- Membership in the organizing committee of the 11th Central European Symposium on Pharmaceutical Technology, CESPT 2016. September, 22-24, 2016, Belgrade, Serbia.
- Membership in the database of experts within the Regional Platform for Cooperation in Higher Education and Research.
- Participation in the founding assembly of the Center for Industrial Pharmacy as well as performing the function of the Secretary of the Center for Industrial Pharmacy of the Faculty of Pharmacy, University of Belgrade.
- Review of scientific papers in journals of category M20: Pharmaceutics, European Journal of Pharmaceutics and Biopharmaceutics, European Journal of Pharmaceutical Sciences, Drug Development and Industrial Pharmacy, AAPS PharmSciTech, Pharmaceutical Development and Technology and M50: Archives of Pharmacy.

Projects:

- 2015 - 2019 Simulation and pharmaceutical technologies for advanced patient-tailored inhaled medicines (SimInhale), COST Action MP1404, supported through the EU Framework Programme.
- 2011 - 2019 Technological Development Project: Development of products and technologies that provide the desired drug release from solid pharmaceutical forms (TR 34007), funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia
- 2013 - 2014, bilateral cooperation program with Germany Application of machine learning tools in establishing a design space in solid dosage forms development, funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.
- 2010 - 2013 international project PqPharm: Postgraduate Qualification in Pharmacy - The Way Forward, within the Tempus program, funded by the European Union.
- 2008 - 2010 project of technological development: Development and application of in vitro and in silico methods in biopharmaceutical characterization of drugs BSK groups 2 and 3 (TR 23015), funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.

Publications:

- Kurćubić, I., Vajić, U.J., Cvijić, S., Methodolody, M.C.S., Bogavac-Stanojević, N., Miloradović, Z., Mihajlović-Stanojević, N., Ivanov, M., Karanović, D., Jovović, Đ. and **Djuriš, J.**, 2021. Mucoadhesive buccal tablets with propranolol hydrochloride: Formulation development and in vivo performances in experimental essential hypertension. *International Journal of Pharmaceutics*, 121266.
- **Djuris, J.**, Cirin-Varadjan, S., Aleksic, I., Djuris, M., Cvijic, S. and Ibric, S., 2021. Application of machine-learning algorithms for better understanding of tableting properties of lactose co-processed with lipid excipients. *Pharmaceutics*, 13(5), 663.
- Ignjatović, J., **Đuriš, J.**, Cvijić, S., Dobričić, V., Montepietra, A., Lombardi, C., Ibrić, S. and Rossi, A., 2021. Development of solid lipid microparticles by melt-emulsification/spray-drying processes as carriers for pulmonary drug delivery. *European Journal of Pharmaceutical Sciences*, 156, 105588.
- Mudrić, J., Janković, T., Šavikin, K., Bigović, D., Đukić-Ćosić, D., Ibrić, S. and **Đuriš, J.**, 2020. Optimization and modelling of gentiopicroside, isogentisin and total phenolics extraction from *Gentiana lutea* L. roots. *Industrial Crops and Products*, 155, 112767.
- Kurćubić, I., Cvijić, S., Filipčev, B., Ignjatović, J., Ignjatović, S. and **Đuriš, J.**, 2020. Development of propranolol hydrochloride bilayer mucoadhesive buccal tablets supported by in silico physiologically-based modeling. *Reactive and Functional Polymers*, 151.
- **Djuris, J.**, Milovanovic, S., Medarevic, D., Dobricic, V., Dapčević, A. and Ibric, S., 2019. Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions. *International journal of pharmaceutics*, 554, pp.190-200.
- Medarević, D., **Djuriš, J.**, Barmpalexis, P., Kachrimanis, K. and Ibrić, S., 2019. Analytical and computational methods for the estimation of drug-polymer solubility and miscibility in solid dispersions development. *Pharmaceutics*, 11(8), p.372.
- Drašković, M., **Djuriš, J.**, Ibrić, S. and Parojčić, J., 2018. Functionality and performance evaluation of directly compressible co-processed excipients based on dynamic compaction analysis and percolation theory. *Powder technology*, 326, pp.292-301.
- **Djuris, J.** and Djuric, Z., 2017. Modeling in the quality by design environment: Regulatory requirements and recommendations for design space and control strategy appointment. *International journal of pharmaceutics*, 533(2), pp.346-356.
- **Djuris, J.**, Nikolakakis, I., Ibric, S., Djuric, Z. and Kachrimanis, K., 2013. Preparation of carbamazepine–Soluplus® solid dispersions by hot-melt extrusion,

and prediction of drug–polymer miscibility by thermodynamic model fitting. *European Journal of Pharmaceutics and Biopharmaceutics*, 84(1), pp.228-237.