

## **DANINA KRAJIŠNIK**

### **Employment Information:**

- 2017 – Associate Professor at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade- Faculty of Pharmacy, Serbia
- 2012 – Assistant Professor at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade- Faculty of Pharmacy, Serbia
- 2004 – 2012 - Teaching Assistant at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade- Faculty of Pharmacy, Serbia
- 1999 – 2003 - Research Assistant at Department of Pharmaceutical Technology and Cosmetology, University of Belgrade- Faculty of Pharmacy, Serbia
- 1999 – 2000 – Pharmacy Internship, Apoteka “Beograd”

### **Education:**

- 2017 - Pharmaceutical Technology Specialist, University of Belgrade - Faculty of Pharmacy (Title of the specialist work: "*Test methods for conventional and novel pharmaceutical forms for parenteral application*")
- 2011 - PhD Pharm. defended PhD thesis entitled: "*Preformulation investigations of modified aluminosilicates as potential pharmaceutical excipients*" (University of Belgrade- Faculty of Pharmacy, Serbia)
- 2003 - MSc Pharm. defended Master thesis entitled: "*Formulation and characterization of emulsion systems with liquid polymer dispersion (new kind of a polymeric emulsifier)*" (University of Belgrade- Faculty of Pharmacy, Serbia)
- 1998 – BSc Pharm. - graduated at the University of Belgrade-Faculty of Pharmacy, Serbia

### **Training:**

- TRANSVAC2-ENOVA Training on Adjuvants and Vaccine Formulation course (March 25-28, 2019, University of Geneva, Switzerland)
- Continuing Education Program "TRAIN (Training and Research for Academic Newcomers)", organized within the project implemented with the support of the King Baudouin Foundation (2019)
- Education Developing an appropriate relationship with students and the rules of business communication (University of Belgrade - Faculty of Pharmacy, December 21, 2019)
- Course Tests of knowledge in measuring educational outcomes (University of Belgrade - Faculty of Pharmacy, April 2, 2016)
- Professional conference "1st South East Europe Quality in Pharmacy Summit" (University of Belgrade, Faculty of Pharmacy, October 23-25, 2015)
- Training Safe handling of hazardous chemicals and waste disposal (University of Belgrade, Faculty of Pharmacy, March 5, 2015)
- Training Course for conducting internal audits of quality management systems according to the standard SRPS ISO 9001, 2008 (2014)

- Bioprocessing Training Course (National Institute for Bioprocessing Research & Training (NIBRT), Dublin, Ireland; implemented under the Linking Industry and Academia project in Teaching Pharmaceutical Development and Manufacture - Liat-Ph) (26-28 May, 2014)
- Good Pharmacy Practice Course for Community Pharmacies and Inspection, University of Belgrade - Faculty of Pharmacy, 17-21. February 2003

### **Teaching activities:**

- Integrated Academic Studies in Pharmacy (Pharmaceutical Technology 1, Pharmaceutical Technology 2, Pharmaceutical Forms of Pediatric Population)
- Doctoral academic studies (program accredited in 2020)
- Specialist academic studies: study program Cosmetology (program accredited in 2020)
- Specialist academic studies: study program Drug release (Packaging materials)
- Specialization of health workers and health associates: Pharmaceutical technology
- Mentoring in preparation: 2 doctoral dissertations, 10 final theses on integrated academic studies, 9 final theses on specialist academic studies and 1 work on specialist studies for health professionals and associates. Participation in commissions: for evaluation and defense of 4 doctoral dissertations, 15 specialist theses on specialist academic studies, 2 papers on specialist studies for health workers and health associates and more than 50 final theses on integrated academic studies.
- Participation in the preparation of materials for the accreditation of study programs of integrated academic studies - Pharmacy, doctoral academic studies and specialist academic studies in Cosmetology in Serbian and English.

### **Textbooks:**

- Krajišnik D, Đekić Lj, Cvijić S, Vasiljević D. Praktikum iz Farmaceutske tehnologije 2, prvo izdanje. Beograd, Univerzitet u Beogradu – Farmaceutski fakultet, 2020. (ISBN 978-86-6273-072-5)
- Vasiljević D, Đekić Lj, Krajišnik D, Pantelić I. Priručnik za praktičnu nastavu iz Farmaceutske tehnologije 1. Beograd, Univerzitet u Beogradu – Farmaceutski fakultet, 2019. (ISBN 978-86-6273-060-2)
- Krajišnik D, Đekić Lj, Cvijić S, Vasiljević D. Praktikum iz Farmaceutske tehnologije 2. Beograd, Univerzitet u Beogradu – Farmaceutski fakultet, 2016. (ISBN 978-86-6273-030-5)
- Vasiljević D, Krajišnik D, Grbić S, Đekić Lj. Praktikum iz Farmaceutske tehnologije I, izmenjeno i dopunjeno izdanje. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2015. (ISBN 978-86-6273-022-0)
- Krajišnik D, Grbić S, Đuriš J, Đekić Lj, Vasiljević D, Kovačević A, Čalija B. Farmaceutska tehnologija II - praktikum, dopunjeno i izmenjeno izdanje. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2013. (ISBN 978-86-6273-013-8)

- Vasiljević D, Krajišnik D, Grbić S, Đekić Lj, Farmaceutska tehnologija I – praktikum, izmenjeno i dopunjeno izdanje. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2012 (ISBN 978-86-80263-90-8)
- Krajišnik D, Grbić S, Petrović J, Đekić Lj, Vasiljević D, Kovačević A, Čalija B. Praktikum Farmaceutska tehnologija II. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2010. (ISBN 978-86-80263-75-5)
- Vasiljević D, Krajišnik D, Grbić S, Đekić Lj.
- Farmaceutska tehnologija I - praktikum. Beograd, Univerzitet u Beogradu - Farmaceutski fakultet, 2009. (ISBN 978-86-80263-64-9)
- Vasiljević D, Savić S, Đorđević Lj, Krajišnik D. Priručnik iz Kozmetologije. Beograd, Nauka, 2007 (prvo izdanje); 2009 (drugo izdanje). (ISBN: 978-86-7621-146-3)

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

- Membership in the Commission for Quality Assurance of the University of Belgrade - Faculty of Pharmacy
- Member of the Commission for the award of the Annual Award for scientific research work of postgraduate students (2020)
- Member of the Team for the implementation of quality standards ISO 9001: 2015 (2018)
- Member of the Internal Audit Team of the University of Belgrade - Faculty of Pharmacy (since 2015)
- President of the Council of the IV year (2014 - 2019)
- Member of the Team for the development of instructions for safe work in the laboratories of the University of Belgrade - Faculty of Pharmacy (2015)
- Member of the Commission for the evaluation of student research papers (2008, 2013, 2015, 2017 and 2018)

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

- Membership in the Association of Pharmaceutical Associations of Serbia (SFUS)
- Expert Supervisor for External Quality Assurance of Professional Work in Health Institutions, Other Legal Entities and Private Practice (Ministry of Health of the Republic of Serbia) (Decision of the Ministry of Health of the Republic of Serbia No. 531-01-00328 / 1/2021/09 of 30.09.2021)
- Member of the editorial board of Adsorption Science & Technology (publisher of Multi-Science Publishing Co. Ltd., UK) (ISSN 0263-6174) (2016-2020)
- Invited lecture at the conference "mTOR inhibitors in the treatment of tuberous sclerosis complexes" (March 31, 2017)
- Lectures within the courses and seminars of the Center for Dermocosmetology and Dermopharmacy (2017, 2018, 2019 and 2021)
- Member of INZA (International Natural Zeolite Association)
- Member of the Zeolite Society of Serbia
- Member of the Group of zeolites and other non-metallic raw materials and products of the Serbian Chamber of Commerce.

- 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 organizing committee of the 9th International Conference on Occurrence, Properties, and Utilization of Natural Zeolites. Belgrade, Serbia, 2014
- An expert on The list of experts of the Agency for Medicines and Medical Devices of Serbia for the assessment of pharmaceutical quality (decision number: 02-1494 of the Agency for Medicines and Medical Devices of Serbia from 27.11.2013)
- Member of the expert group for harmonization and processing of texts of monographs of the Yugoslav Pharmacopoeia 2000 (Ph. Jug. V)

### **Projects:**

- 2021- Participation in the project "Composite clays as advanced materials in animal nutrition and biomedicine (AniNutBiomedCLAYs)" within the Public Call of the Program IDEAS of the Science Fund of the Republic of Serbia (Project number 7748088)
- 2020.-2021. Participation in project: „Development of a novel antiseptic/disinfectant based on the antimicrobial effect of new synthesis chalcone“ under the Proof-of-Concept Program funded within the Innovation Fund, Republic of Serbia (No 5617)
- 2011.–2019. Participation in project (Fundamental research No 172018): „Oxide-based environmentally-friendly porous materials for removal of genotoxic substances“ funded by the Ministry of Education, Science and Technological Development of Republic of Serbia
- 2011.–2019. Participation in project (Technological development No 34031): “Development and characterization of micro- and nano- drug delivery systems for nonsteroidal antiinflammatory drugs”, funded by Serbian Ministry of Education, Science and Technological Development
- 2008. – 2010. Participation in project (Technological development No 19058): „Development and characterization of colloidal drug carriers for anti-inflammatory drugs” funded by the Ministry of Science and Technological Development of Republic of Serbia
- 2006.–2010. Participation in project (Fundamental research, 142063G): „Investigation of synthesis, structure and activity of organic compounds of natural and organic origin” funded by the Ministry of Science and Technological Development of Republic of Serbia
- 2005.–2007. Participation in project (Technological development No 6927): „Immunomodulatory preparations based on calf thymus extract in human and veterinary medicine” funded by the Ministry of Science and Technological Development of Republic of Serbia

### **Publications:**

- Račić A, Čalića B, Milić J, Jurišić Dukovski B, Lovrić J, Dobričić V, Micov A, Vuković M, Stepanović-Petrović R, Krajišnik D. Formulation of olopatadine

- hydrochloride viscous eye drops–physicochemical, biopharmaceutical and efficacy assessment using in vitro and in vivo approaches. *European Journal of Pharmaceutical Sciences* 166 (2021) 105906.
- Jauković V, Krajišnik D, Daković A, Damjanović A, Krstić J, Stojanović J, Čalija B. Influence of selective acid-etching on functionality of halloysite-chitosan nanocontainers for sustained drug release. *Materials Science and Engineering: C*, 2021; 123: 112029.
  - 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*, 2020; 8(2):304.
  - Čalija B, Milić J, Milašinović N, Daković A, Trifković K, Stojanović J, Krajišnik D. Functionality of chitosan-halloysite nanocomposite films for sustained delivery of antibiotics: The effect of chitosan molar mass. *Journal of Applied Polymer Science*, 2020; 137(8): 48406.
  - Krajišnik D, Čalija B, Milić J. Aluminosilicate-based composites functionalized with cationic materials: possibilities for drug delivery applications, in: Grumezescu, V., Grumezescu, A.M., (Eds), *Materials for Biomedical Engineering: Inorganic Micro- and Nanostructures*. Elsevier, Amsterdam, 2019; 285-327.
  - Janičijević J, Milić J, Čalija B, Micov A, Stepanović-Petrović R, Tomić M, Daković A, Dobričić V, Nedić Vasiljević B, Krajišnik D. Potentiation of ibuprofen antihyperalgesic effect using inorganically functionalized diatomite. *Journal of Material Chemistry B*, 2018; 6: 5812-5822.
  - Marković M, Daković A, Rottinghaus EG, Kragović M, Petković A, Milić J, Krajišnik D, Mercurio M, de Gennaro B. Adsorption of the mycotoxin zearalenone by clinoptilolite and phillipsite zeolites treated with cetylpyridinium surfactant. *Colloids and Surfaces B: Biointerfaces*, 2017; 151: 324-32 (IF 3,887 (2016))\*
  - Korać R, Krajišnik D, Milić J. Sensory and instrumental characterization of fast inverting oil-in water emulsions for cosmetic application. *International Journal of Cosmetic Science*. 2016; 38: 246-256.
  - Krajišnik D, Daković A, Malenović A, Djekić Lj, Kragović M, Dobričić V, Milić J. An investigation of diclofenac sodium release from cetylpyridinium chloride-modified natural zeolite as a pharmaceutical excipient. *Microporous and Mesoporous Materials* 2013; 167: 94-101.
  - Krajišnik D, Daković A, Milojević M, Malenović A, Kragović M, Bajuk Bogdanović D, Dondur V, Milić J. Properties of diclofenac sodium sorption onto natural zeolite modified with cetylpyridinium chloride. *Colloids and Surfaces B: Biointerfaces*, 2011; 83 (1): 165-172.