

Ljiljana Đekić

Employment Information:

- 2017 - present: 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
- 2004 - 2012: Assistant, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy
- 2001 - 2004: Assistant trainee, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy
- 1998 - 2001: Associate in practical classes, Department of Pharmaceutical Technology and Cosmetology, University of Belgrade - Faculty of Pharmacy

Education:

- 2011. PhD in Pharmaceutical Sciences, University of Belgrade - Faculty of Pharmacy
- 2004. MS in Pharmaceutical Sciences, University of Belgrade - Faculty of Pharmacy
- 2013. Specialist in Pharmaceutical Technology, University of Belgrade - Faculty of Pharmacy
- 1998. BS in Pharmaceutical Sciences, University of Belgrade - Faculty of Pharmacy
- 1992 - 1998 The five-year Bachelor of Science in Pharmaceutical Sciences studies - profile graduate pharmacist, University of Belgrade - Faculty of Pharmacy
- 1988 - 1992 Medical School – profile pharmaceutical technician, Leskovac
- 1980 - 1988 Elementary School "Ljupče Španac", Bela Palanka

Training:

- Course "Using Hot Melt Extrusion for Development and production of implants and injectables" organized by the International Association for Pharmaceutical Technology / Arbeitsgemeinschaft für Pharmazeutische Verfahrenstechnik e.V. Gemeinnütziger wissenschaftlicher Veren (APV Kurs-Nr. 6858) (March 16, 2021).
- Training for improving the teacher competencies of teachers and associates "Building an appropriate relationship with students and the rules of business communication" held at the University of Belgrade - Faculty of Pharmacy on December 21, 2019.

- WIPO Advanced Regional Training Program "IP Institutional Policies: Challenges in Adoption and Implementation", organized by the World Intellectual Property Organization (WIPO) in cooperation with the Intellectual Property Office of the Republic of Serbia and the Center for Intellectual Property technology transfer of the University of Belgrade, Belgrade, 5-6. November 2019.

- Course "Academic Writing" (topics: Proper use of grammatical structures in academic language; Punctuation; Science-related vocabulary exercises; Vocabulary used in presentations; Expressing mathematical formulas and equations; Tentative writing / paraphrasing) organized by the University of Belgrade, Belgrade, 8-9. May 2019.

- Course "Quality, efficiency and safety of cosmetic products: a review of European regulations" organized by the Center for Cosmetology and Dermopharmacy, University of Belgrade - Faculty of Pharmacy, Belgrade, March 1, 2019.

- Continuing education course of the first category "Theoretical and practical aspects of dermopharmaceutical / dermocosmetic products in pharmacy - case study: emollient, skin pH control products and products for acne-prone / affected skin (theoretical course, workshop and practical school), University of Belgrade - Faculty of Pharmacy, Belgrade, September 28, 2018 and May 31, 2019.

- Continuing education course of the first category "Modern approach to the formulation and production of dermopharmaceutical / dermocosmetic products in pharmacy / galenic laboratory: preparations with corticosteroids, products for treatment / therapy of photoaging skin and natural cosmetics" (theoretical course, workshop and practical school), University of Belgrade - Faculty of Pharmacy, Belgrade, September 28, 2018 and June 1, 2019.

- WIPO National Training Program on "WIPO Intellectual Property Tools for Universities", organized by the World Intellectual Property Organization (WIPO) in cooperation with the Intellectual Property Office of the Republic of Serbia and the Technology Transfer Center of the University of Belgrade, Belgrade, 6-7. November 2018.

- Program "Patenting in the field of pharmacy" (OT06-2018) organized by the Intellectual Property Office of the Republic of Serbia in cooperation with the European Patent Academy / European Patent Office, Belgrade, May 16, 2018.

- Seminars "Modern treatment of pain and headache" and "Safety of cosmetic products" within the 69th symposium of the Pharmaceutical Association of Serbia (SFUS), Kopaonik, 24-27. May 2018.

- TRAIN (Training and Research for Academic Newcomers) program, organized within the project implemented with the support of the King Baudouin Foundation (Brussels - Belgium). The program was adopted by the Senate of the University of Belgrade and was implemented during the academic years 2016/2017 and 2017/2018.

- Professional seminar "SCHOOL - Course in the field of cosmetic regulations and workshops: production of dermopharmaceutical and (dermo) cosmetic preparations" organized by the Center for Cosmetology and Dermopharmacy, University of Belgrade - Faculty of Pharmacy, Belgrade, 22-23. September 2017.

- "Training program for textbook manuscript evaluators" organized by the Institute for the Advancement of Education (ZUOV) of the Republic of Serbia (certificate of completed program from November 14, 2016).

- Seminar "Use of hormones in the reproductive period of women" within the 66th symposium of the Pharmaceutical Association of Serbia (SFUS), Zlatibor, 13-16. October 2016.

- Course "Tests of knowledge in measuring educational outcomes" organized by the University of Belgrade - Faculty of Pharmacy, Belgrade, April 2, 2016.

- Course "Percutaneous penetration - measurement, modulation and modeling" (Course No. 6557), organized by APV e. V. (International Association for Pharmaceutical Technology) (Mainz, Germany), within the Skin Forum 14th Annual Meeting, Prague, Czech Republic, 4-5. September 2014.

Academic awards and distinctions:

- Acknowledgment from the Faculty of Pharmacy, University of Belgrade for the successful promotion of the Faculty and the outstanding results achieved in the field of scientific research in the 2019/2020 academic year.

- International Poster Award at the 62nd International Congress of the International Pharmaceutical Federation (FIP), Nice, France, 2002.

Teaching activities:

- Courses in Integrated Academic Studies - Study Program Pharmacy: Pharmaceutical Technology 1; Pharmaceutical Technology 2; Pharmaceutical Technology 3; Modern pharmaceutical forms.

- Courses in Specialist Academic Studies - Study Program Cosmetology: Formulation of cosmetic emulsions and gels; Manufacture of cosmetics; Dermocosmetic and dermopharmaceutical preparations in pharmacy; Decorative cosmetics; Hair cosmetics.

- Courses in the Specialization of Healthcare Professionals and Healthcare Associates - Study Program Pharmaceutical Technology: Legal and Professional Regulations in the Production / Production of Medicines; Pharmaceutical technology.

- Doctoral academic studies - Study programs accredited in 2020: Communication and presentation skills; Elective course 2: Advanced drug carriers.

• Mentoring and / or membership in the Committees for the defense of doctoral dissertations

- Mentor and member of the Commission for evaluation and defense of the completed doctoral dissertation of candidate Jovana Janković, entitled "Formulation and characterization of semi-solid self-microemulsifying systems as potential carriers of the new generation for oral administration of acyclovir" (Dissertation defended on February 7, 2020 at the University of Belgrade - Faculty of Pharmacy).
- Member of the Commission for evaluation and defense of the completed doctoral dissertation of candidate Jelena Milinković-Budinčić, entitled "Application of chitosan-ionic surfactant system for obtaining microcapsules of oil content" (Dissertation defended on July 5, 2019 at the University of Novi Sad - Technological Faculty of Novi Sad).
- Member of the Commission for evaluation and defense of the completed doctoral dissertation of candidate Mladen Milović, entitled "Development, development and characterization of solid self-dispersing formulations for oral administration" (Dissertation defended in 2015 at the University of Belgrade - Faculty of Pharmacy).

Mentor of the final theses of the candidates at the Specialist Academic Studies in Cosmetology:

- Perfumery products - modern approach to formulation and regulatory aspect. Candidate: Anđela Obradović. Thesis defended: 25. 09. 2020.
- Cosmetic products for nail beautification: aspects of formulation and safety. Candidate: Danica Milivojević. Thesis defended: 31. 01. 2020.
- Approach to the formulation of cosmetic products with polyphenol-type ingredients. Candidate: Lejla Kuburović. Thesis defended: November 29, 2019.
- Modern approach to the formulation of cosmetic products for beautifying the eye area. Candidate: Diana Rudović. Thesis defended: 02. 10. 2019.
- Review of regulations / protocols for assessing the stability of cosmetic products placed on the European Union market. Candidate: Branka Javorac. Thesis defended: 12. 07. 2017.
- Formulation of cosmetic products for depilation. Candidate: Darinka Dajković. Thesis defended: 19. 05. 2017.

Member of the commission for the defense of the final theses of the candidates at the Specialist Academic Studies in Cosmetology:

- Ingredients such as amino acids and peptides - roles and effects in cosmetic products. Candidate: Stevan Jarić. Thesis defended 30. 09. 2021.
- Modern approaches in the preservation of cosmetic emulsions. Candidate: Jana Tomić. Thesis defended: 24. 09. 2021.
- Access to the formulation of cosmetic products for skin care after sunbathing. Candidate: Maja Randelović. Thesis defended: 02. 10. 2019.
- Cosmetic hair coloring products: ingredients and regulatory aspects. Candidate: Dragana Stanković. Thesis defended: 30. 09. 2019.
- Cosmetic raw materials based on polysaccharides: properties and applications. Candidate: Ivana Aperlić. Thesis defended: 18. 07. 2019.
- Modern tendencies in the formulation of hair shampoo. Candidate: Maja Mitić. Thesis defended: 30. 08. 2018.
- Proteins in hair cosmetics: properties and effects. Candidate: Milica Milikić. Thesis defended 27.08. 2018
- Characteristics and application of dyes and pigments in decorative cosmetics. Candidate: Marija Lacković. Thesis defended: 21. 09. 2017.
- Cosmetic massage products. Candidate: Tatjana Brkljač. Thesis defended: 21. 09. 2017.
- Sun protection products intended for photosensitive and skin prone to photoallergic reactions. Candidate: Danijela Petković. Thesis defended: 12. 07. 2017.

- Salicylic acid in cosmetic products and dermatological preparations - modern attitudes and practice. Candidate: Miljana Brkljač. Thesis defended: 06. 07. 2017.

Mentor of the final thesis of the candidates on the Specialization of Healthcare Professionals and Healthcare Associates in Pharmaceutical Technology:

- Pharmaceutical-technological aspects of therapeutic systems such as transdermal patches. Candidate: Bojana Dimitrijević. Thesis defended: 05. 03. 2020.
- Pharmaceutical and technological aspects of drugs for the treatment of psoriasis. Candidate: Suzana Lalić. Thesis defended: 08. 07. 2019.
- Pharmaceutical forms of vaginal preparations: types, characteristics and composition. Candidate: Milica Filipović. Thesis defended: 18. 12. 2017.
- Formulation of liquid pharmaceutical forms for application to the skin. Candidate: Željko Pavlović. Thesis defended: 28. 10. 2017.

Member of the Commission for the Defense of Final Thesis of Candidates in the Specialization of Healthcare Professionals and Healthcare Associates in Pharmaceutical Technology

- Excipients in parenteral preparations: properties and application. Candidate: Radana Petrović. Thesis defended: 12. 11. 2021.
- Parenteral solutions and suspensions obtained by dilution or reconstitution: composition and properties. Candidate: Sonja Stamatović. Thesis defended: 04. 06. 2019.
- Master preparations in local dermatotherapy - the role and responsibility of pharmacists in pharmacy. Candidate: Đulija Hadžibeti. Thesis defended: 26. 02. 2018.
- Pharmaceutical forms of ibuprofen: characteristics and excipients. Candidate: Anđelka Stupar. Thesis defended: 20. 10. 2017.
- Production and testing of ear drops with eucalyptus essential oil. Candidate: Slavica Milić. Thesis defended: 21. 08. 2017.
- Pharmaceutical preparations for total parenteral nutrition: composition, characteristics and manufacturing procedures. Candidate: Višnja Glišić. Thesis defended: 2016.
- Marking and deadlines for the use of medicines made in pharmacies. Candidate: Marija Dabović. Thesis defended: 2016.
- Magistral drugs / preparations - needs, regulations and conditions for production in pharmacies in Serbia. Candidate: Tanja Šakić. Thesis defended: 2016.

- Pharmaceutical forms of drugs for the mucous membrane of the oral cavity - properties and applications. Candidate: Ivana Stamenković. Paper defended: 2016.
- Excipients in pharmaceutical forms for ophthalmic use. Candidate: Sanja Ilić. Thesis defended: 2014.
- Formulation of liquid pharmaceutical forms for nasal administration. Candidate: Ana Subošić. Thesis defended: 2014.

Mentor of graduate thesis on Integrated Academic Studies – Study program Pharmacy:

- In vitro assessment of the influence of the composition of the fatty phase on the characteristics of microemulsion-type skin sprays. Student: Gabrijela Davidović. Thesis defended: 18. 10. 2021.
- Formulation and characterization of film-forming skin solutions with ketoprofen. Student: Alexandra Jeftić. Thesis defended: 30. 09. 2021.
- Investigation of the influence of the oil phase on the physico-chemical properties of composite gels based on hypromellose. Student: Biljana Milošević. Thesis defended: 30. 09. 2021.
- Composition Physicochemical characteristics of eye moisturizing drops and ophthalmic lubricants: analysis of products from the market. Student: Marija Vukajlović. Thesis defended: 28. 09. 2021.
- Properties and application of therapeutic systems such as nasal implants. Student: Natalija Georgiev. Thesis defended: 28. 09. 2021.
- Investigation of the influence of the drying process of polyelectrolyte complexes of chitosan / xanthan gums on their properties as ibuprofen carriers. Student: Zorica Drašković. Thesis defended: 24. 09. 2021.
- Investigation of the influence of the process of incorporation of the active substance on the properties of polyelectrolyte complexes of chitosan / xanthan gums as potential carriers for oral administration of ibuprofen. Student: Tamara Milivojević. Thesis defended: 17. 09. 2021.
- Properties and application of thermosensitive liposomes as carriers of medicinal substances. Student: Milutin Ilić. Thesis defended: 28. 12. 2020.
- Formulation and physicochemical characterization of hydrogels with oil core microcapsules. Student: Biljana Ignjatović. Thesis defended: 04. 12. 2020.
- Formulation and characterization of liquid spray preparations for skin type microemulsions. Student: Jelena Čizmić. Thesis defended: 09. 10. 2020.
- Characteristics and application of therapeutic systems such as osmotic pumps. Student: Katarina Dacović. Thesis defended: 09. 10. 2020.

- In vitro investigation of the kinetics of ibuprofen release from carriers such as chitosan / xanthan gum polyelectrolyte complexes. Student: Marijana Živković. Thesis defended: 30. 09. 2020.
- Consideration of the influence of the mass content of chitosan and xanthan gum on the formation and physico-chemical characteristics of potential carriers of medicinal substances such as polyelectrolyte complexes. Student: Jovana Jelovac. Thesis defended: 28. 09. 2020.
- Characteristics of modern pharmaceutical forms for the treatment of nail diseases. Student: Irena Ivanović. Thesis defended: 28. 09. 2020.
- Properties and significance of modern pharmaceutical forms for ophthalmic use with nanoencapsulated active substances. Student: Nina Binić. Thesis defended: 21. 08. 2020.
- Formulation and in vitro characterization of hydrogels based on poloxamer 407 as a carrier for percutaneous administration of ibuprofen. Student: Milica Šaponjić. Thesis defended: 24. 07. 2020.
- Pharmaceutical-technological characteristics of transdermal therapeutic systems for the treatment of diabetes. Student: Nađa Grubor. Paper defended: 26. 05. 2020.
- Implantation therapeutic systems - characteristics and application. Student: Ana Starčević. Thesis defended: 30. 12. 2019.
- Characteristics and application of microcapsules as carriers of active substances. Student: Hristina Stanimirović. Thesis defended: 10. 12. 2019.
- Biopharmaceutical characterization of carriers of drug substances such as polyelectrolyte complexes chitosan/xanthan. Student: Dimitrije Radojević. Thesis defended: 30. 08. 2019.
- Formulation and physicochemical characterization of chitosan / xanthan polyelectrolyte complexes as potential carriers of active substances. Student: Natalija Stanković. Thesis defended: 17. 07. 2019.
- Modern approaches in the development of therapeutic systems for wound treatment. Student: Marija Potpara. Thesis defended: 27. 02. 2019.
- Nasal powders - characteristics and importance in the application of medicinal substances through the nasal mucosa. Student: Nataša Josimov. Thesis defended: 13. 12. 2018.
- Characteristics of fourth generation transdermal therapeutic systems. Student: Jovana Milanović. Thesis defended: 26. 09. 2018.
- The importance of the combined use of ultrasound and microneedles in the development of therapeutic systems for different routes of application. Student: Sanja Petrović. Thesis defended: 26. 09. 2018.
- Formulation and physicochemical testing of carbomeric hydrogels with escin. Student: Aleksandra Krstić. Thesis defended: 26. 09. 2018.

- Hydrogels with escin β -sitosterol phytosome for skin application - formulation research. Student: Jovana Lazić. Thesis defended: 26. 09. 2018.
- Formulation and characterization of bioadhesive hydrogels for percutaneous delivery of ibuprofen. Student: Tijana Petrović. Thesis defended: 20. 09. 2018.
- Formulation studies of hydrogels with phytosomes of 18- β -glycyrrhetic acid. Student: Aleksa Jovanović. Thesis defended: 10. 05. 2018.
- Design and application of therapeutic systems such as vaginal rings. Student: Lucija Damjanović. Thesis defended: 12. 10. 2017.
- Formulation and characterization of chitosan microemulsion systems for percutaneous administration of ibuprofen. Student: Belma Kajević. Thesis defended: 21. 09. 2017.
- Liquid spray preparations for application to the skin. Student: Jelena Milenković. Thesis defended: 21. 09. 2017.
- Nanoencapsulation of skin - application and significance. Student: Jovana Stojanović. Thesis defended: 20. 07. 2017.
- Until the associate professor election, mentor of 25 graduate thesis.

Member of the commission for the defense of graduate thesis on Integrated Academic Studies – Study program Pharmacy:

- Cosmetic products with moisturizing effect - practical aspects of testing their effectiveness. Student: Danica Savićević. Thesis defended: 14. 10. 2021.
- Thermoreversible eye gels with ketotifen hydroenfumarate: physicochemical characterization and stability testing. Student: Ana Plačkov. Thesis defended: 30. 09. 2021.
- Examination of the consumer attitude towards the declaration on the cosmetic product. Student: Sara Golo. Thesis defended: 30. 09. 2021.
- Strategies for the development of anti-pollution cosmetic products. Student: Katarina Krstić. Thesis defended: 05. 07. 2021.
- Decorative cosmetic products - types and characteristics. Student: Vanja Mitrović. Paper defended: 18. 02. 2021.
- Testing the effectiveness of cosmetic hair care products. Student: Mirjana Andrić. Thesis defended: 05. 11. 2020.
- Development and characterization of halosite-polymer nanocomposites as potential carriers of sustained release drugs. Student: Mia Vasiljević. Thesis defended: 25. 09. 2020.
- In situ formulation studies of ketotifen hydrogen fumarate eye gels. Student: Milica Vučićević. Thesis defended: 10. 08. 2020.
- Levan as an active substance in gels. Student: Teodora Šljivić. Thesis defended: 23. 06. 2020.

- Development and characterization of chitosan-hyaluronate polyelectrolyte complexes as potential carriers of medicinal substances. Student: Milica Puđa. Thesis defended: 26. 02. 2020.

- Application of homogenization techniques in the process of making nanocarriers of medicinal substances. Student: Vasilije Vujović. Thesis defended: 16. 09. 2019.

- Formulation and physicochemical tests of ophthalmic lubricants based on polysaccharides. Student: Jelena Trkulja. Thesis defended: 16. 07. 2019.

- Carbomeric gels for ophthalmic use: formulation research. Student: Ajša Hadžić. Thesis defended: 16. 07. 2019.

- Production and characteristics of lyophilized powders for parenteral administration. Student: Ivan Ćirković. Thesis defended: 01. 07. 2019.

- Large volume infusions and solutions for various purposes. Student: Ioannis Kazis. Thesis defended: 12. 07. 2018.

- Until the associate professor election, member of the commission for the defense of more than 45 graduate thesis.

Textbooks:

- **Ljiljana Đekić**, Svetlana Ibrić, Bojan Čalija. **Savremeni farmaceutski oblici**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2021. (ISBN: 978-86-6273-075-6)

- Danina Krajišnik, **Ljiljana Đekić**, Sandra Cvijić, Dragana Vasiljević. **Priručnik za praktičnu nastavu iz Farmaceutske tehnologije 2**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2020. (ISBN: 978-86-6273-072-5)

- Dragana Vasiljević, **Ljiljana Đekić**, Danina Krajišnik, Ivana Pantelić. **Priručnik za praktičnu nastavu iz Farmaceutske tehnologije 1**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2019. (ISBN: 978-86-6273-060-2)

- Dragana Vasiljević, Danina Krajišnik, Sandra Cvijić, **Ljiljana Đekić**. **Praktikum iz Farmaceutske tehnologije 1, drugo, izmenjeno izdanje**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2018. (ISBN: 978-86-6273-047-3)

- Danina Krajišnik, **Ljiljana Đekić**, Sandra Cvijić, Dragana Vasiljević. **Praktikum iz farmaceutske tehnologije 2**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2016. (ISBN: 978-86-6273-030-5)

- Dragana Vasiljević, Danina Krajišnik, Sandra Grbić, **Ljiljana Đekić**. **Praktikum iz Farmaceutske tehnologije I, izmenjeno i dopunjeno izdanje**. Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2015. (ISBN: 978-86-6273-022-0)

- Danina Krajišnik, Sandra Grbić, Jelena Đuriš, **Ljiljana Đekić**, Dragana Vasiljević, Anđelka Kovačević, Bojan Čalija. **Farmaceutska tehnologija II** -

- praktikum, dopunjeno i izmenjeno izdanje.** Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2013. (ISBN: 978-86-6273-013-8)
- Dragana Vasiljević, Danina Krajišnik, Sandra Grbić, **Ljiljana Đekić. Farmaceutska tehnologija I – praktikum, izmenjeno i dopunjeno izdanje.** Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2012 (ISBN: 978-86-80263-90-8)
 - Danina Krajišnik, Sandra Grbić, Jelena Petrović, **Ljiljana Đekić, Dragana Vasiljević, Anđelka Kovačević, Bojan Čalija. Praktikum Farmaceutska tehnologija II.** Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2010. (ISBN: 978-86-80263-75-5)
 - Dragana Vasiljević, Danina Krajišnik, Sandra Grbić, **Ljiljana Đekić. Farmaceutska tehnologija I - praktikum.** Univerzitet u Beogradu - Farmaceutski fakultet, Beograd, 2009. (ISBN: 978-86-80263-64-9)
 - Dragana Vasiljević, Snežana Savić, **Ljiljana Đorđević, Danina Krajišnik. Priručnik iz kozmetologije.** Nauka, Beograd, 2007 (prvo izdanje); 2009 (drugo izdanje). (ISBN: 978-86-7621-146-3)

Activities within the Faculty:

- 2021 - present Member of the Commission for the implementation of student internships in integrated academic studies in the study program Pharmacy at the Faculty of Pharmacy, University of Belgrade
- 2019 Member of the expert commission and reviewer of papers presented at the XII Mini-Congress of Students of the Faculty of Pharmacy, organized by the Center for Students Scientific Research
- 2018 - present Member of the Council of the Faculty of Pharmacy
- 2018 - present Member of the Working Group for Scientific Research and International Cooperation
- 2018. Member of the expert commission and reviewer of papers presented at the XI Mini-Congress of Students of the Faculty of Pharmacy, organized by the Center for Students Scientific Research
- 2017 - present President of the Publishing Commission

- 2016. Member of the expert commission at the IX Mini-Congress of Students of the Faculty of Pharmacy, organized by the Center for Scientific Research of Students
- 2014. Member of the Central Inventory Commission
- 2013 - present Member of the Publishing Commission
- 2007. Member of the Central Inventory Commission

Activities within wider Academic Community:

- 2021 Guest editor of the Special Issue of the journal *Pharmaceuticals* - Special Issue "Chitosan based novel pharmaceutical dosage forms and drug delivery systems" (https://www.mdpi.com/journal/pharmaceuticals/special_issues/Chitosan_Pharmaceuticals)
- 2018 - present Member of the editorial board of the journal *Archives of Pharmacy*
- 2018 - present Member of the Bentham Reviewer Panel for *Current Drug Delivery, Current Drug Targets, Current Nanoscience, Recent Patents on Nanotechnology*
- 2016 - present Member of the database of experts (doctoral supervisors, mentors or members of doctoral thesis defense commissions) within the regional platform for cooperation in higher education and research through doctoral programs at the University of Belgrade, University of Novi Sad, University of Ljubljana, University of Ljubljana and the University of Zagreb (http://e-cris.sr.cobiss.net/public/jqm/memo.aspx?lang=eng_sr&opdescr=news&source=experts_uni_bg.inc&opt=5)
- 2016 Member of the Organizing Committee of the 11th Central European Symposium on Pharmaceutical Technology, CESPT 2016. September, 22-24, 2016, Belgrade, Serbia.
- 2014 - present Expert supervisor for external quality control of professional work conducted by institutes and institutes of public health in the Republic of Serbia

• 2014. Member of the expert commission at the 55th Congress of Students of Biomedical Sciences of Serbia (Vrnjačka Banja, April 26-30, 2014)

• 2011 - present Member of the Pharmaceutical Association of Serbia (SFUS)

• 2009 - present Reviewer of manuscripts submitted for publication in M20 journals: *Carbohydrate Polymers; Pharmaceutics; International Journal of Biological Macromolecules; Journal of Controlled Release; International Journal of Pharmaceutics; European Journal of Pharmaceutical Sciences; Journal of Pharmacy and Pharmacology; Drug Development and Industrial Pharmacy; Journal of Biomedical Nanotechnology; Recent Patents on Drug Delivery & Formulation; Colloids and Surfaces A: Physicochemical and Engineering Aspects; Colloids and Surfaces B: Biointerfaces; Acta Pharmaceutica; Acta Periodica Technologica; The International Journal of Polymeric Materials and Polymeric Biomaterials; ACS Biomaterials Science & Engineering; Pharmaceutical Development and Technology; Experimental Gerontology; Drug Delivery; Journal of Drug Delivery, Science and Technology; Journal of Microencapsulation; Current Drug Targets; Life Sciences; The Journal of Physical Chemistry A; Journal of Molecular Liquids; Journal of Biomaterials Science: Polymer Edition; Current Drug Delivery; Journal of the Serbian Chemical Society; Journal of Drug Delivery Science and Technology; Chiang Mai Journal of Science, Journal of Pharmaceutics and Drug Development; Journal of Pharmaceutics and Drug Delivery Research; Journal of the Brazilian Chemical Society; Journal of Applied Polymer Science; Journal of Colloid and Interface Science; Brazilian Journal of Pharmaceutical Sciences; Chemical Physics; Trends in Food Science & Technology; AAPS PharmSciTech; Journal of International Medical Research; Archive of Pharmacy; Phytomedicine Plus*

• 2006 - present Lecturer at congresses, continuing education courses of the first category and professional seminars

• 1999 – 2000 Member of the expert group for harmonization and processing of texts of monographs of *Jugoslovenska farmakopeja 2000* (Ph. Jug. V)

Projects:

• 2019 - 2022 Project of the Ministry of Education, Science and Technological Development with the financial support of the European Union "Improving the quality of education through the introduction of the final exam at the end of secondary education" (State Matura Project)

- 2010 - 2019 National Project of the Ministry of Education, Science and Technological Development of the Republic of Serbia "Development of products and technologies that provide the desired release of medicinal substances from solid pharmaceutical forms" (project no: TR 34007) (project leader: University of Belgrade - Faculty of Pharmacy)
- 2010 - 2019 National Project of the Ministry of Education, Science and Technological Development of the Republic of Serbia "Development of new encapsulation and enzyme technologies for the production of biocatalysts and biologically active food components in order to increase its competitiveness, quality and safety" (project no: III 46010) project: University of Belgrade - Faculty of Technology and Metallurgy, holder of the subproject: University of Novi Sad - Faculty of Technology).
- 2006 - 2010 National Project Ministry of Science and Environmental Protection of the Republic of Serbia "Synthesis, quantitative relationships between structure / properties and activities, physicochemical characterization and analysis of pharmacologically active substances" (project no: 142071)

Publications:

- Ćirić A, Medarević Đ, Čalija B, Dobričić V, Rmandić M, Barudžija T, Malenović A, **Djekic Lj**. Effect of ibuprofen entrapment procedure on physicochemical and controlled drug release performances of chitosan/xanthan gum polyelectrolyte complexes. *International Journal of Biological Macromolecules*, 2021;167:547-558 <https://doi.org/10.1016/j.ijbiomac.2020.11.201>
- Milinković Budinčić J, Petrović L, **Đekić Lj**, Fraj J, Bučko S, Katona J, Spasojević Lj. Study of vitamin E microencapsulation and controlled release from chitosan/sodium lauryl ether sulfate microcapsules. *Carbohydrate Polymers*. 2021;251:116988 <https://doi.org/10.1016/j.carbpol.2020.116988>
- **Djekic Lj**, Bojan Marković, Ana Micov, Maja Tomić, Uroš Pecikoza, Radica Stepanović-Petrović. Percutaneous delivery of levetiracetam as an alternative to topical nonsteroidal anti-inflammatory drugs: formulation development, *in vitro* and *in vivo* characterization [published online ahead of print, 2020 May 25]. *Drug Delivery and Translational Research* 2021;11(1):227-241. <https://doi.org/10.1007/s13346-020-00787-4>
- Ćirić A, Medarević Đ, Čalija B, Dobričić V, Mitrić M, **Djekic Lj**. Study of chitosan/xanthan gum polyelectrolyte complexes formation, solid state and influence on ibuprofen release kinetics. *International Journal of Biological Macromolecules*, 2020;148:942-955 <https://doi.org/10.1016/j.ijbiomac.2020.01.138>

- **Djekic Lj**, Martinovic M. *In Vitro*, *Ex Vivo* and *In Vivo* Methods for Characterization of Bioadhesiveness of Drug Delivery Systems. In: Mittal KL, Bakshi IS, Narang JK, editors. *Bioadhesives in Drug Delivery*. New Jersey: Scrivener Publishing, John Wiley & Sons Ltd.; 2020. p. 57 – 98. (ISBN: 9781119640196)
- **Djekic Lj**, Čalija B, Medarević Đ. Gelation behaviour, drug solubilization capacity and release kinetics of poloxamer 407 aqueous solutions: the combined effect of copolymer, cosolvent and hydrophobic drug. *Journal of Molecular Liquids*, 2020;303:112639 <https://doi.org/10.1016/j.molliq.2020.112639>
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