

IVANA ALEKSIĆ (maiden name Mašić)

Employment Information:

- 2016. Assistant professor
Department of Pharmaceutical Technology and Cosmetology
University of Belgrade – Faculty of Pharmacy
- 2009. Teaching assistant
Department of Pharmaceutical Technology and Cosmetology
University of Belgrade – Faculty of Pharmacy
- 2007. Teaching associate
Department of Pharmaceutical Technology and Cosmetology
University of Belgrade – Faculty of Pharmacy

Education:

- 2016. Specialist Academic Studies – Industrial Pharmacy
University of Belgrade – Faculty of Pharmacy
- 2013. PhD in Pharmaceutical Technology
University of Belgrade – Faculty of Pharmacy
Doctoral Dissertation: “The influence of formulation factors and process parameters on the characteristics of granulates obtained by melt granulation in fluid bed apparatus”
- 2007. University of Belgrade – Faculty of Pharmacy
- 2001. Šabac High School “Vera Blagojević”

Training:

- 2019. Continuing education programme “Teaching Certificate in Health Professions Education Programme” (12 ECTS), organized in the framework of the ReFEEHS Project co-funded by Erasmus+ programme, March-October 2019, Belgrade, Serbia
- 2019. Education for improving competencies of teachers and teaching associates „Izgrađivanje odgovarajućeg odnosa sa studentima i pravila poslovne komunikacije“, December 21st, 2019, Belgrade, Serbia

- 2019. The Fourth QP conference: Understanding the Implication of Working as QP, October 4-5th, 2019, Centre for Industrial Pharmacy of the Faculty of Pharmacy, Belgrade, Serbia
- 2016. TAIEX Workshop on Challenges of Bioequivalence Assessment, December 8th, 2016, Belgrade, Serbia
- 2015. Advanced Solid Dosage Forms Seminar, 8-9th June, 2015, School of Pharmacy, Queen's University Belfast, Belfast, Northern Ireland
- 2013. Seminar “Fundamentals and Applications of Controlled Release and Drug Delivery” held by Dr. Nicholas A. Peppas, May 23rd, 2013, Belgrade, Serbia
- 2012. Tempus PQPharm Advanced Dissolution Seminar, November 24th, 2012, Belgrade, Serbia
- 2012. Tempus PQPharm Educational seminar: Supporting Quality Enhancement in Learning, Teaching and Assessment, June 11-12th, 2012, Belgrade, Serbia
- 2011. Tempus PQPharm Workshop “Use of Different Teaching Methods to Enhance Students Engagement and Creativity”, October 2nd, 2011, Bled, Slovenia

Academic awards and distinctions:

Scholarships:

- 2010 – 2011 Scholarship for an exchange PhD – 6 months mobility period at Faculty of Pharmacy, University of Ljubljana, in the framework of the Basileus Project, funded by the European Commission.

Awards:

- 2012. Annual PhD student research award of the Faculty of Pharmacy, University of Belgrade
- 2010. Second award for best poster presentation within the session “Pharmaceutical Technology and Cosmetology” at the 5th Congress of Pharmacists of Serbia with International Participation

Teaching activities:

- Integrated academic studies

Involved in courses: Pharmaceutical Technology 3, Industrial Pharmacy, Veterinary Medicines.

Member of the Committees for the defense of 49 graduate papers.

Mentor of 10 graduate papers.

- Specialist academic studies – Industrial Pharmacy

Involved in courses: Research and Development in Pharmaceutical Industry, Quality Assurance in Pharmaceutical Industry, Drug Manufacture, Drug Formulation.

Member of the Committees for the defense of 26 final papers.

Mentor of 6 final papers.

- Specialist academic studies – Release of Medicinal Products on the Market

Involved in courses: Drug formulation, Drug Manufacture.

- Doctoral Academic Studies in Pharmaceutical Sciences

Involved in courses: Literature Review, Research and Development of Pharmaceutical Dosage Forms.

Member of the Committees for the defense of 2 doctoral dissertations.

- Students' research projects

Supervisor of 10 students' research papers within the projects of Centre for students' scientific research work. Two of these research papers were awarded, at the XII Mini-Congress of Students of Faculty of Pharmacy (2019) and at the 51st Congress of Students of Biomedical Sciences of Serbia with International Participation (2010).

Awards committee member at the XIV Mini-Congress of Students of Faculty of Pharmacy (2021) and at the 49th Congress of Students of Biomedical Sciences of Serbia with International Participation (2008).

- Pharmacy Student Exchange Program

Supervisor of students' research projects in the framework of the International Pharmaceutical Students' Federation (IPSF) - Student Exchange Program (2011, 2012).

- Belgrade Pharmacy Students' Association projects

Moderator within the competition part of the BPSA (Belgrade Pharmacy Students' Association) events held in 2018 and 2019.

Textbooks:

- Ibrić S, Đuriš J, Parojčić J, Aleksić I, Čalija B, Cvijić S. Industrijska farmacija. Beograd: Univerzitet u Beogradu - Farmaceutski fakultet; 2021.
- Vasiljević D, Cvijić S, Aleksić I, Milovanović M. Veterinarski lekovi. Beograd: Univerzitet u Beogradu – Farmaceutski fakultet; 2021. (ISBN 978-86-6273-076-3)
- Đuriš J, Cvijić S, Aleksić I. Praktikum iz Farmaceutske tehnologije 3, izmenjeno i dopunjeno izdanje, Beograd: Univerzitet u Beogradu - Farmaceutski fakultet, 2021. (ISBN 978-86-6273-074-9)
- Đuriš J, Cvijić S, Aleksić I. Praktikum iz Farmaceutske tehnologije 3, Beograd: Univerzitet u Beogradu - Farmaceutski fakultet, 2017. (ISBN 978-86-6273-040-4)
- Parojčić J, Ibrić S, Đuriš J, Aleksić I, Čalija B. Odabrane farmaceutske tehnološke operacije, Multimedijalni priručnik. Beograd: Univerzitet u Beogradu - Farmaceutski fakultet; 2013.

Activities within the Faculty:

- 2021 – Member of the Working group for rationalization and improvement of practical lessons
- 2021 – Analyst at the Drug quality control laboratory, University of Belgrade – Faculty of Pharmacy
- 2019 – President of the Fourth Year Council at the University of Belgrade – Faculty of Pharmacy
- 2019 – Member of the Commission for organizing and conducting the procedure of student evaluation of pedagogical work of teachers and teaching associates of the Faculty
- 2012 – 2019 Member of the Fourth Year Council at the University of Belgrade – Faculty of Pharmacy
- 2012 – 2013 Member of the Accreditation Committee of the University of Belgrade – Faculty of Pharmacy

Activities within wider Academic Community:

- Reviewer for the journals: *International Journal of Pharmaceutics*, *International Journal of Heat and Mass Transfer*, *European Journal of Pharmaceutical Sciences*, *Plos One*, *AAPS PharmSciTech*, *Drug Development and Industrial Pharmacy*, *Acta Pharmaceutica*, *Hemijska industrija*, *Archives of Pharmacy*.

- Member of the Pharmaceutical Association of Serbia
- Member of the Centre for Industrial Pharmacy of the Faculty of Pharmacy in Belgrade
- Coordinator of the hands-on workshop “From Mortar to 3D Printer“ at the Open Doors Day of the Faculty of Pharmacy University of Belgrade, October 20th, 2019.
- Member of the 6th Festival of Science Creative team (November 29th to December 2nd, 2012)
- Member of the 5th Festival of Science Creative team (December 2nd to 4th, 2011)

Projects:

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| 2020 – 2023 | „Robust In Vitro/In Silico Model to Accelerate Generic Drug Product Development for the Oral Cavity Route of Administration“, project in the framework of the GDUFA Science and Research program supported by the U.S. Food and Drug Administration (FDA) |
| 2017 – 2022 | CEEPUS Network „Central European Knowledge Alliance for Teaching, Learning & Research in Pharmaceutical Technology“ (CEKA PharmTech), CIII-RS-1113-05-2122 |
| 2011 – 2019 | “Advanced Technologies for Controlled Release from Solid Drug Delivery Systems” (TR34007), project funded by the Ministry of Education, Science and Technological Development, Republic of Serbia |
| 2013 – 2015 | LIAT-Ph (Linking Industry and Academia in Teaching Pharmaceutical Development and Manufacture), funded with the support of the Lifelong Learning Programme of the European Union. |
| 2012 – 2013 | Slovenia - Serbia bilateral project “Optimization of Fluid Bed Hot Melt Granulation” (651-03-1251/2012-09/43) |
| 2010 – 2013 | Project “Tempus: Postgraduate Qualification in Pharmacy - The Way Forward”, in the framework of the Tempus Programme funded by the European Commission. |
| 2008 – 2010 | “Development and Application of <i>In Vitro</i> and <i>In Silico</i> Methods for Biopharmaceutical Characterization of BCS Class 2 and Class 3 Drugs” |

(TR23015), project funded by the Ministry of Science and Technological Development, Republic of Serbia

Publications:

- Ćirin-Varađan S, Đuriš J, Mirković M, Ivanović M, Parojčić J, Aleksić I. Comparative evaluation of mechanical properties of lactose-based excipients co-processed with lipophilic glycerides as meltable binders. *J Drug Deliv Sci Tec* 2021 (in press), doi: 10.1016/j.jddst.2021.102981, IF: 3,981
- Djuriš J, Ćirin-Varadjan S, Aleksić I, Djuriš M, Cvijić S, Ibrić S. Application of machine-learning algorithms for better understanding of tableting properties of lactose co-processed with lipid excipients. *Pharmaceutics* 2021; 13: 663. doi: 10.3390/pharmaceutics13050663, IF: 6,321
- Vasiljević I, Turković E, Nenadović S, Mirković M, Zimmer A, Parojčić J, Aleksić I. Investigation into liquisolid system processability based on the SeDeM Expert System approach. *Int J Pharm* 2021; 605: 120847. doi: 10.1016/j.ijpharm.2021.120847, IF: 5,875
- Aleksić I, German Ilić I, Cvijić S, Parojčić J. An investigation into the influence of process parameters and formulation variables on compaction properties of liquisolid systems. *AAPS PharmSciTech* 2020; 21: 242. doi: 10.1208/s12249-020-01781-2, IF: 3,246
- Milanović A, Aleksić I, Ibrić S, Parojčić J, Cvijić S. Tableting of hot-melt coated paracetamol granules: Material tableting properties and quality characteristics of the obtained tablets. *Eur J Pharm Sci* 2020; 142: 105121. doi: 10.1016/j.ejps.2019.105121, IF: 3,616
- Milanović A, Aleksić I, Ibrić S, Parojčić J, Cvijić S. Hot-melt coating with Precirol ATO 5 in a fluidized-bed apparatus: Application of experimental design in the optimization of process parameters. *J Drug Deliv Sci Tec* 2018; 46: 274-284. doi: 10.1016/j.jddst.2018.05.030, IF: 2,606
- Cvijić S, Aleksić I, Ibrić S, Parojčić J. Assessing the risk of alcohol-induced dose dumping from sustained-release oral dosage forms: in vitro–in silico approach. *Pharm Dev Technol* 2018; 23(9): 921-932. doi: 10.1080/10837450.2017.1392973, IF: 2,347
- Drašković M, Medarević Đ, Aleksić I, Parojčić J. In vitro and in vivo investigation of taste-masking effectiveness of Eudragit® E PO as drug particle coating agent in orally disintegrating tablets. *Drug Dev Ind Pharm* 2017; 43(5): 723-731. doi: 10.1080/03639045.2016.1220572, IF: 2,429
- Aleksić I, Đuriš J, Ibrić S, Parojčić J. An investigation into the usefulness of different empirical modeling techniques for better control of spray-on fluidized bed melt granulation. *Int J Pharm* 2015; 496(2): 627-635. DOI: 10.1016/j.ijpharm.2015.11.001, IF: 3,994

- Aleksić I, Djuriš J, Ilić I, Ibrić S, Parojčić J, Srčić S. In silico modeling of in situ fluidized bed melt granulation. *Int J Pharm.* 2014; 466(1-2): 21-30; DOI: 10.1016/j.ijpharm.2014.02.045, IF: 3,785