VLADIMIR DOBRIČIĆ

Employment Information:

- *Since 2021: associate professor, Department of Pharmaceutical Chemistry, University of Belgrade – Faculty of Pharmacy;*
- *2016-2021: assistant professor, Department of Pharmaceutical Chemistry, University of Belgrade – Faculty of Pharmacy;*
- *2015-2016: associate and junior teaching assistant, Department of Pharmaceutical Chemistry, University of Belgrade – Faculty of Pharmacy;*
- *2012-2015: research assistant, Department of Pharmaceutical Chemistry, University of Belgrade – Faculty of Pharmacy;*
- *2011-2012: junior teaching assistant, Department of Pharmaceutical Chemistry and Department of Analytical Chemistry, University of Belgrade – Faculty of Pharmacy.*

Education:

- *2014: PhD (University of Belgrade – Faculty of Pharmacy);*
- *2009: Bachelor of science (University of Belgrade – Faculty of Pharmacy).*

Training:

- *2019: Building of appropriate relationships with students and rules of professional communication (University of Belgrade – Faculty of Pharmacy, Belgrade)*
- *2017: postdoctoral training at the Chair of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ljubljana, supervisor: prof. dr. Tihomir Tomašič (design of new voltage-dependent potassium channel Kv1.3 ligands using in silico methods);*
- *2016: GMP-good manufacturing practice (University of Belgrade – Faculty of Pharmacy, Belgrade)*
- *2016: Knowledge tests in the quantification of educational outcomes (University of Belgrade – Faculty of Pharmacy, Belgrade);*
- *2015: Excellence in Horizon 2020 project development and implementation (European training academy, Belgrade);*
- *2014: Advanced school of mass spectrometry (University of Belgrade – Faculty of Chemistry, Belgrade);*

- *2014: The mass spectrometry in environmental and biochemical analysis (Faculty of Science and Mathematics, University of Niš and University Pierre and Marie Curie, Paris; Niš)*

Academic awards and distinctions:

- *2020: Award for the successful promotion of the Faculty and excellent scientific results during the previous academic year (awarded by the University of Belgrade – Faculty of Pharmacy);*
- *2010: Scholarship of the Ministry of Education Science and Technological Development of Republic of Serbia;*
- *2009: Scholarship of the Republic foundation for the development of scientific and artistic youth;*
- *2009: the best graduated student at the University of Belgrade – Faculty of Pharmacy in 2008/2009 (awarded by the University of Belgrade);*
- *2009: the best graduated student at the study program Pharmacy in 2008/2009 (awarded by the Society of medical biochemists and scientific foundation "prof. dr. Ivan Berkeš").*

Teaching activities:

- *Pharmaceutical Chemistry, Pharmaceutical Chemistry 1, Drug design and synthesis and Pharmaceutical Chemistry 1 – English program (theoretical classes, integrated academic studies);*
- *Pharmaceutical Chemistry 1, Pharmaceutical Chemistry 2, Pharmaceutical Chemistry 3, Drug design and synthesis, Pharmaceutical Chemistry 1 – English program, Pharmaceutical Chemistry 3 – English program (practical classes, integrated academic studies);*
- *Chemical and biopharmaceutical aspects and computational methods in drug design (doctoral studies);*
- *Pharmaceutical-medicinal chemistry (specialist academic studies);*
- *Mentor of five final thesis of undergraduate students (University of Belgrade – Faculty of Pharmacy);*
- *Member of twenty-six Committees for undergraduate students final thesis defense (University of Belgrade – Faculty of Pharmacy);*

- *Member of one Committee for doctoral thesis defense (University of Belgrade – Faculty of Pharmacy);*

Textbooks:

- *Slavica Erić, Olivera Čudina, Vladimir Dobričić, Jelena Savić. Praktikum iz farmaceutske hemije II. Belgrade, 2018.*

Activities within the Faculty:

- *Member of the Committee of the fourth year of the University of Belgrade – Faculty of Pharmacy (since 2018);*
- *Member of the Committee for monitoring and improvement of teaching quality of the University of Belgrade – Faculty of Pharmacy (since 2018);*
- *Member of the Working group for science of the University of Belgrade – Faculty of Pharmacy (since 2018).*

Activities within wider Academic Community:

- *Reviewing activities in several international and national scientific journals;*
- *Member of the Union of pharmaceutical associations of Serbia;*
- *Member of management committees of COST actions CA15135 (2015-2020) and CA17104 (2018-2022).*

Projects:

- *Principal investigator in the project "Utilization of interplay between inflammation and cancer in the development of compounds with anticancer activity" (InfCanPlay), 2021-2024 (Science Fund of the Republic of Serbia – program IDEAS);*

- *Team member in the project „Optimization (individualization) of rectal cancer treatment using predictive molecular genetic biomarkers (OPTIMOGEN)“ (Serbian Academy of Sciences and Arts);*
- *Team member in the project "Development of new tioureido derivatives of naproxen – synthesis, physico-chemical characterization, estimation of gastrointestinal absorption and chemometric analysis" (internal research project of the Faculty of Medicine, University of Kragujevac, 11/20);*
- *Principal investigator of the bilateral cooperation project between Republic of Serbia and Republic of Slovenia: „In vitro estimation of lipophilicity and gastrointestinal absorption and molecular modelling – integrative approach in the development of novel dual DNA gyrase and topoisomerase IV inhibitors", 2018-2019;*
- *Team member in the project of the Ministry of education, science and technological development of the Republic of Serbia "Development of molecules with anti-inflammatory and cardioprotective activity: structural modifications, modelling, physico-chemical characterization and formulation studies", OI172041, 2012-2019.*

Publications:

- *Dallavalle, S., Dobričić, V., Lazzarato, L., Gazzano, E., Machuqueiro, M., Pajeva, I., Tsakovska, I., Zidar, N., & Fruttero, R. (2020). Improvement of conventional anti-cancer drugs as new tools against multidrug resistant tumors. Drug Resistance Updates, 50, 100682.*
- *Knutson, D. E., Kodali, R., Divović, B., Treven, M., Stephen, M. R., Zahn, N. M., Dobričić, V., Huber, A. T., Meirelles, M. A., Verma, R. S., Wimmer, L., Witzigmann, C., Arnold, L. A., Chiou, L-C., Ernst, M., Mihovilovic, M. D., Savić, M. M., Sieghart, W., & Cook, J. M. (2018). Design and synthesis of novel deuterated ligands functionally selective for the γ-aminobutyric acid type A receptor (GABAAR) α6 subtype with improved metabolic stability and enhanced bioavailability. Journal of medicinal chemistry, 61(6), 2422-2446.*
- *Hendrickx, L. A., Dobričić, V., Toplak, Ž., Peigneur, S., Mašič, L. P., Tomašič, T., & Tytgat, J. (2020). Design and characterization of a novel structural class of Kv1. 3 inhibitors. Bioorganic Chemistry, 98, 103746.*
- *Dobričić, V., Savić, J., Nikolic, K., Vladimirov, S., Vujić, Z., & Brborić, J. (2017). Application of biopartitioning micellar chromatography and QSRR modeling for prediction of gastrointestinal absorption and design of novel β-*

hydroxy-β-arylalkanoic acids. European Journal of Pharmaceutical Sciences, 100, 280-284.

- *Tubić, B., Dobričić, V., Poljarević, J., Savić, A., Sabo, T., & Marković, B. (2020). Estimation of passive gastrointestinal absorption and membrane retention using PAMPA test, quantitative structure-permeability and quantitative structure-retention relationship analyses of ethylenediamine-N, N'-di-2-(3-cyclohexyl) propanoic acid and 1, 3-propanediamine-N, N'-di-2-(3-cyclohexyl) propanoic acid derivatives. Journal of Pharmaceutical and Biomedical Analysis, 113213.*
- *Dobričić, V., Marković, B., Nikolic, K., Savić, V., Vladimirov, S., & Čudina, O. (2014). 17β- carboxamide steroids-in vitro prediction of human skin permeability and retention using PAMPA technique. European Journal of Pharmaceutical Sciences, 52, 95-108.*

- *Rupar, J., Dobričić, V., Grahovac, J., Radulović, S., Skok, Ž., Ilaš, J., Aleksić, M., Brborić, J., & Čudina, O. (2020). Synthesis and evaluation of anticancer activity of new 9-acridinyl amino acid derivatives. RSC Medicinal Chemistry, 11(3), 378-386.*
- *Dobričić, V., Drvenica, I., Stančić, A., Mihailović, M., Čudina, O., Bugarski, D., & Ilić, V. (2018). Investigation of metabolic properties and effects of 17β-carboxamide glucocorticoids on human peripheral blood leukocytes. Archiv der Pharmazie, 351(5), 1700371.*
- *Dobričić, V., Jaćević, V., Vučićević, J., Nikolic, K., Vladimirov, S., & Čudina, O. (2017). Evaluation of Biological Activity and Computer-Aided Design of New Soft Glucocorticoids. Archiv der Pharmazie, 350(5), 1600383.*
- *Dobričić, V., Turković, N., Ivković, B., Csuvik, O., & Vujić, Z. Evaluation of the lipophilicity of chalcones by RP-TLC and computational methods. JPC - Journal of Planar Chromatography - Modern TLC (2020) 33:245-253*