**NAME AND SURNAME: SELMA IMAMOVIĆ KADRIĆ**

**Work experience**

● 2022- Senior Teaching and Research Assistant

Department of Pharmaceutical Biochemistry and Laboratory Diagnostics

● 2018. Teaching and Research Assistant

Department of Biochemistry and Clinical Analysis

**Education**

* 2025- Residency in Clinical Pharmacy
* 2019- Doctoral study "Pharmaceutical research", University of Sarajevo - Faculty of Pharmacy
* 2013-2018. Undergraduate study

Master thesis: Drug-drug and drug-drug-gene interactions of cytochrome CYP2C19

University of Sarajevo - Faculty of Pharmacy

**Scholarships**

● Introduction to statistical analysis of genome-wide association studies. University of Surrey & European Society of Human Genetics. 27-31.1.2025. (online)

● 6th CEEPUS Summer School: Novel diagnostic and therapeutic approaches to complex genetic disorders. Portorož, Slovenia (2019:07:24)

**Academic/teaching work**

Integrated Study of the 1st and 2nd Cycle at the Faculty of Pharmacy University of Sarajevo

* Courses: Drug Biochemistry, Selected Topics in Drug Biochemistry – Pharmacogenomics and Personalised Medicine – practical classes

**Other academic positions and involments:**

● 2024 Member of the team for the promotion of enrollment at the University of Sarajevo - Faculty of Pharmacy

● 2023 Member of the organizing committee of the International conference of biochemists and molecular biologists in Bosnia and Herzegovina

● 2023 President of the Commission for Public Procurement of the University of Sarajevo - Faculty of Pharmacy

**Projects**

● 2023-2024: Pharmacogenetic markers of therapeutic effects of empagliflozin. Leader: Prof. Dr. Tanja Dujić – young researcher on the project

● 2021-2022: Analysis of the impact of glycans and microelements, as potential new biomarkers, in assessing the severity of the clinical picture of COVID-19 patients. Leader: Prof. Dr. Tamer Bego – collaborator on the project

● 2020-2021: Analysis of potential biomarkers in early diagnosis, monitoring of the status and outcome of patients suffering from COVID-19 - Leader: Prof. Dr. Tamer Bego – collaborator on the project

● 2018-2021, Wellcome Trust Seed Award in Science: "Interaction between omeprazole and gliclazide in CYP2C19 normal/ ultrarapid metabolisers", awarded to Assist. Prof. Tanja Dujić (209943/Z/17/Z)

**Selected publications**

1. Imamovic Kadric S, Kulo Cesic A, Dujic T. Pharmacogenetics of new classes of antidiabetic drugs. Bosn J Basic Med Sci. 2021 Dec 1;21(6):659-671. doi: 10.17305/bjbms.2021.5646.
2. Dujic T, Cvijic S, Elezovic A, Bego T, Imamovic Kadric S, Malenica M, Elezovic A, Pearson ER, Kulo A. Interaction between Omeprazole and Gliclazide in Relation to CYP2C19 Phenotype. Journal of Personalized Medicine. 2021; 11(5):367.
3. Meseldžić N, Prnjavorac B, Dujić T, Malenica M, Glamočlija U, Prnjavorac L, Bedak O, Imamović Kadrić S, Marjanović D, Bego T. Association of ACE2 and TMPRSS2 genes variants with disease severity and most important biomarkers in COVID-19 patients in Bosnia and Herzegovina. Croat Med J. 2024 Jun 13;65(3):220-231.
4. Karahmet E, Prnjavorac B, Bego T, Meseldžić N, Imamović S, Karahmet E, Sher F, Lekić L, Begić E. IL-1β in Correlation to the Common Diabetic Complications". Acta Scientific Medical Sciences 5.9 (2021): 25-29.
5. Hasković E, Uzunović L, Dujić T, Šukalo A, Mehić M, Malenica M, Bego T, Meseldžić N, Imamović Kadrić S, Glamočlija U. (2024). Analysis of Lysozyme as Biomarker in Saliva. In: Badnjević, A., Gurbeta Pokvić, L. (eds) MEDICON’23 and CMBEBIH’23. MEDICON CMBEBIH 2023 2023. IFMBE Proceedings, vol 93. Springer, Cham.
6. Veljović, E., Špirtović-Halilović, S., Muratović, S., Osmanović, A., Badnjević, A., Gurbeta, L., Tatlić, B., Zorlak, Z., Imamović, S., Husić, Đ. and Završnik, D., 2017. Artificial neural network and docking study in design and synthesis of xanthenes as antimicrobial agents. In CMBEBIH 2017: Proceedings of the International Conference on Medical and Biological Engineering 2017 (pp. 617-626). Springer Singapore
7. Begović N, Džiho A, Aliman L, Đukić I, Tarakčija A, Terzić V, Meseldžić N, Imamović S, Dujić T, Malenica M, Bego T. (2019). Development of a Diagnostic Support Software in the Clinicobiochemical Evaluation of Secondary Amenorrhea Diagnosis. IFMBE Proceedings. 73:743-747.
8. Tarakčija A, Terzić V, Vardo A, Smajlović S, Zećiri S, Imamović S, Dujić T, Malenica M, Bego T. (2019). Development of a Diagnostic Support Software in the Clinicobiochemical Evaluation of Thyroid Disease Diagnosis. IFMBE Proceedings. 73:475-480.