**Mirza Dedić**

**Work experience:**

* 2023- Present - Associate professor

Department of Drug Analytics

University of Sarajevo - Faculty of Pharmacy

* 2018. Assistant Professor

Department of Pharmaceutical Analysis.

University of Sarajevo, Faculty of Pharmacy

* 2013. Senior Teaching and Research Assistant

Department of Pharmaceutical Analysis

University of Sarajevo, Faculty of Pharmacy

* 2008. Teaching Assistant

Department of Pharmaceutical Analysis

University of Sarajevo, Faculty of Pharmacy

**Education:**

* 2018. PhD

Doctoral dissertaion: „Determination of residual antibiotics in different types of honey in Bosnia and Herzegovina“

University of Sarajevo, Faculty of Pharmacy

* Specialist in Analysis and Quality Control of Medicines

Theme: Quality control of the topical 1% clindamycin during the application period.

University of Sarajevo, Faculty of Pharmacy

* 2013. M. Sci

Theme: Determination of thymol, carvacrol and primulasaponin in herbal syrups

University of Sarajevo, Faculty of Pharmacy

* 2007. MPharm- GPA – 8.60

Theme: Cellulose and derivatives of cellulose in development solid pharmaceutical form.

University of Sarajevo, Faculty of Pharmacy

**Academic/teaching work:**

* Participates in practical and theoretical teaching in Integrated study of 1st and 2nd cycles in: compulsory courses "Quality Control of Medicines I" and " Quality Control of Medicines II", as well as elective courses: "Selected Topics in Quality Control of Medicines - Good Control Laboratory Practice" "Selected Topics in Quality Control of Medicines - Impurities in Medicines" "Selected Topics in Quality Control of Medicines – Quality Control of Borderline Medicinal Products".

**Other academic positions and involments:**

* 2022- Present - Vice Dean for Teaching and Student Affairs
* 2020- Present - Local CEEPUS coordinator
  + Network: "Education of Modern Analytical and Bioanalytical Methods" (No: CIII-CZ-0212-14-2021)
* 2019- 2021: Head of department of Pharmaceutical informatics and pharmacoeconomics.

**Projects:**

* 01/10/2022– 31/12/2023. (In progress). *Virtual laboratories in the education of pharmacists. Collaborator on the project.* Project financed by the Ministry of Science, Higher Education and Youth of Sarajevo Canton.
* 01/01/2022– 31/12/2022. (In progress). *The impact of aerosols of different tobacco products on individual and community health*. Project manager. Project financed by the Ministry of Science, Higher Education and Youth of Sarajevo Canton.
* 01/07/2021- 30/06/2023. *Testing the stability of UV filters in sunscreens and determining the toxic properties of degradation products.* Collaborator on the project. Project funded by: Federal Ministry of Education and Science.
* 15/01/2021– 15/01/2024. *Innovating quality assessment tools for pharmacy studies in Bosnia and Herzegovina*. Collaborator on the project. Erasmus + Capacity Building in the field of Higher Education 2020. Call EAC/A02/2019. Project implemented and funded by European Commission.
* In 2019. Public invitation of the Ministry of Education, Science and Youth of Sarajevo Canton for 2019. Program 6. Project manager. Procurement of HPLC apparatus with DAD and electrochemical detector. Project financed by the Ministry of Education, Science and Youth of Sarajevo Canton.
* 01.07.2018.- 01.07.2020. *Interaction between omeprazole and gliclazide in CYP2C19 normal/ ultrarapid metabolisers*. (Wellcome Trust Seed Award in Science. No. 209943/Z/17/Z). Head of Project: PhD. Tanja Dujić
* 2017-2018. *Pharmacological activity of antimicrobial and antiseptic extemporaneous preparations during and after the permitted period of administration*. (Project funded by the Ministry of Education, Science and Youth of Canton Sarajevo). Head of Project: PhD. Fahir Bečić
* 2015- 2016. *Alternative methods for the determination of residues of antibiotics in honey* (Project funded by the Federal Ministry of Education and Science. No. 0101-7556-6 / 15.). Head of Project: PhD. Ervina Bečić
* 2015-2016. *A Common Future Based on Common Interests*. (Project implemented and funded by UNESCO, UNICEF and UNDP). Head of Project: PhD. Almir Badnjević, Bosnia and Herzegovina Medical and Biological Engineering Society

**Selected publications (up to 10):**

* Omeragić, E., Imamović, B., **Dedić, M.**, Mujezin, I., & Bečić, E. (2024). A comprehensive review of the direct peptide reactivity test in skin hypersensitivity testing - applicability, limitations and considerations. *Arhiv za farmaciju*, *74*(2), 118-132. <https://doi.org/10.5937/arhfarm74-49552>
* Bečić, E., **Dedić, M.**, Imamović, B., Špirtović-Halilović, S. i Omeragić, E. (2024). Substituent and Solvent Effects on the Spectral Properties of 3-Substituted Derivatives of 4-Hydroxycoumarin. *Kemija u industriji, 73* (1-2), 1-6. <https://doi.org/10.15255/KUI.2023.018>
* Bečić E., Salihović M., Tüzün B., Omeragić E., Imamović B., **Dedić M.**, Sunčica Roca S., Špirtović-Halilović S. Comparative study of experimental and DFT calculations for 3-cinnamoyl 4-hydroxycoumarin derivatives. Technol Health Care [Internet]. 2024;1–12. Available from: <http://dx.doi.org/10.3233/thc-231798>
* **Dedić M**., Omeragić E., Imamović B., Bilajac E., Mahmutović L., Glamočlija U., Bečić E. HPLC method for the determination of thymoquinone in growth cell medium. Technol Health Care [Internet]. 2024;1–14. Available from: http://dx.doi.org/10.3233/thc-231432
* Elezović A., Omeragić E., Badnjević A., **Dedić M.**, Bošković D., Nikolić A., Bečić F., Bego T. [Raising the Quality, Digitalizatio and Modernization of Higher Education through the Implementation of the ERASMUS+ Project-IQPHARM](https://scholar.google.com/scholar?oi=bibs&cluster=15300754177027599198&btnI=1&hl=hr). Pregled: časopis za društvena pitanja/ Periodical for social issues, 269-287, 2023.
* Alisa, S., Sara, D., Neira, C., Selena, H., Sabina, A., Nur, M. E., Mirsada, S., Mirha, P., Elma, O., **Mirza, D**. (2023). Comparative Analysis of Chemical Composition and Antimicrobial Activity of Watermelon Seed Extracts (Citrullus Lanatus). In PONTE International Scientific Researchs Journal (Vol. 79, Issue 3). Ponte Academic Journal. <https://doi.org/10.21506/j.ponte.2023.3.4>
* Jordamović N., Pehlivanović B., Nikšić H., Gušić I., Korić E., **Dedić M.**, Tuna B., Bečić F., Durić K. Anti-proliferative and anti-inflammatory activity of triterpene extracts from plant species belonging to Lamiaceae family. Bol Latinoam Caribe Plant Med Aromat, 2023. 22 (6): 864 - 878. https://doi.org/10.37360/blacpma.23.22.6.58.
* Bečić E., **Dedić M**., Imamović B., Omeragić E. Optimization and Validation of Europium- Sensitized Fluorescence Method for Determination of Tetracycline Antibiotics in Water from Fish Farms. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 2022. 59: pp. 11-16.
* Omeragic, E., **Dedic, M.**, Elezovic, E., Bečić, E., Imamovic, B., Kladar, N., Niksic, H. Application of direct peptide reactivity assay in skin sensitization potential assessment of essential oils. Sci Rep 12, 7470 (2022). <https://doi.org/10.1038/s41598-022-11171-2>
* Imamović B., Trebše P., Omeragić E., Bečić E., Pečet A., **Dedić M.** Stability and Removal of Benzophenone-Type UV Filters from Water Matrices by Advanced Oxidation Processes. Molecules 2022, 27, 1874. <https://doi.org/10.3390/molecules27061874>