**NAME AND SURNAME:** Mirsada Salihović

**Work experience:**

* 2019. Associate professor

Department of chemistry in Pharmacy

* 2016. Assistant Professor

Department of Natural Sciences in Pharmacy

* 2010. Teaching and Researching Senior Assistant

Department of Natural Sciences in Pharmacy

* 2006. Teaching and Researching Assistant

Department of Natural Sciences in Pharmacy

**Education:**

* 2015. PhD

Doctoral dissertaion: „Synthesis and structural characterization of novel acyclic nucleoside analogues and their biological activity''.

University of Sarajevo , Faculty of Science

* 2009. MSc in Chemistry

Master's thesis: ''Determination of 5-hydroxyindoleacetic acid (5-HIAA) and homovanilic acid (HVA) by high pressure liquid chromatography and electrochemical detection (HPLC-ED) in the human liquor of different ages"

University of Sarajevo, Faculty of Science

* 2003. Professor of chemistry

Graduate thesis: ''Analysis the complexation of Tl with crown ethers“

University of Tuzla , Faculty of Science

**Study abroad:**

* Gas chromatography with mass spectrometry, Summer School, Maribor, Slovenia, 2006.
* Center for applied spectroscopy international summer schools, GC and UV-VIS spectroscopy application, Skopje, Macedonija, 2008.

**Academic/teaching work:**

Integrated study of 1st and 2nd Cycle of Studies at the Faculty of Pharmacy, University of Sarajevo.

* Subject: Organic chemistry I and Organic chemistry II

Undergraduate study at the Faculty of Science, University of Sarajevo

* Basics of Organic Chemistry, Organic Chemistry, Organic and Biochemical Analytics, Organic Analysis and Organic Chemistry II

**Projects:**

* Development of novel C-5 fluoroalyl *N*-acyclic pyrimidine nucleoside analogs as PET tracers for in situ monitoring of gene and call-based therapies using HSV1-TK as a reporter gene. *Scientific co-operation between Eastern Europe and Switzerland* – SCOPES 2009-2012,

*voditelj leader*: Prof. dr. Davorka Zavrsnik

* New analogues of acyclic nucleosides - synthesis, structure and biological activity - Federal Ministry of Education and Science of BiH - FMON 2013-2014,

Project leader: Doc. dr. Selma Špiritović

* Analysis of the antioxidant status of plants used in the nutrition in the Bosnia and Herzegovina market, 2015-2016, Federal Ministry of Education and Science in Bosnia and Herzegovina.

Project leader: Aida Šapčanin

* Assessment of the health risk of heavy metal contamination of playground soil in Sarajevo. Federal Ministry of Education and Science of BiH - FMON 2016-2017,

Project leader: Prof. dr. dr. Aida Šapčanin

* Examination of the antitumor, antioxidant and microbiological effects of synthesized tetraketone derivatives - Ministry of Education and Science of the Canton of Sarajevo BiH - MONKS 2016-2017,

Project leader: Doc.dr. Elma Veljovic

* Neural Networks and QSAR in the Design and Synthesis of Pharmacologically Active Xanthenes - Federal Ministry of Education and Science of BiH - FMON 2016-2017,

Project leader: Doc.dr. Elma Veljovic

* Chemical composition and antioxidant potential of edible wild mushrooms of Bosnia and Herzegovina - Federal Ministry of Education and Science of BiH - FMON 2017-2018,

Project leader: Doc.dr. Mirsada Salihović

* Health risk assessment based on the content of harmful substances of chemically analyzed wood biomass (pellets and briquettes) available on the Bosnia and Herzegovina markets, 2019-2020, Federal Ministry of Education and Science in Bosnia and Herzegovina.

Project leader: Mirha Pazalja

* Compounds from marine organisms: in silico screening for potential drug against SARSCoV-2. Sarajevo Canton, Ministry of Science, Higher Education and Youth, 2021

Project leader: Selma Špirtović-Halilović

**Selected publications:**

1. **Salihović M.**, Osmanović A., Špirtović-Halilović S., Roca S., Meščić A., Vujisić, L., Trifunović S., Završnik D., Sofić, E. **(2015)**. Synthesis, structural, conformational and DFT studies of N-3 and O-4 alkylated regioisomers of 5-(hydroxypropyl) pyrimidine. Journal of Molecular Structure, 1091, 170-176. (*Web of Science®- Current Contents)*
2. Šapčanin A, Čakal M, Imamović B, **Salihović M**, Pehlić E, Jačimović Z, Jančan G. **(2016)**. Herbicide and pesticide occurrence in soils of children playgrounds in Sarajevo, Bosnia and Herzegovina, 188:450. Environmental Monitoring and Assessment (*Web of Science®-Current Contents Connect)*
3. **Salihović M**, Pazalja M, Mahmutović-Dizdarević I, Jerković-Mujkić A, Suljagić J, Špirtović-Halilović S, Šapčanin A. **(2018)**. Synthesis, DFT Study and Antimicrobial Activity of Schiff Bases Derived from Benzaldehydes and Amino Acids. Rasayan J. Chem., 11(3): 1074-1083. *(Elsevier Scopus, Chemical Abstracts, CAS®, EBSCO, SCImago)*
4. Spirtovic-Halilovic, S., Veljovic, E., **Salihovic, M.**, Osmanovic, A., Sapcanin, A., Softic, D., ... & Zavrsnik, D. **(2020)**. Synthesis, Microbiological Activity and in Silico Investigation for Some Synthesized Coumarin Derivatives. Croatica Chemica Acta, 93(1), 1b-1b. *(Web of Science - Current Contents)*
5. **Salihović M**., Sofić E. **(2020)**. High Performance Liquid Chromatography Analysis of Rutin in Allium Species Collected in Bosnia and Herzegovina. Kemija u Industriji, Journal of Chemists and Chemical Engineers 69 (11-12) 647−651 (*Web of Science - Emerging Sources Citation Index, DOAJ, SCImago)*
6. Glamočlija, U., Špirtović-Halilović, S., **Salihović, M.,** Turel, I., Kljun, J., Veljović, E., ... & Završnik, D. **(2021).** Structure of Biologically Active Benzoxazoles: Crystallography and DFT Studies. Acta Chimica Slovenica,68(1), 144-150. *(Web of Science - Current Contents)*
7. Pazalja, M., **Salihović, M**., Sulejmanović, J., Smajović, A., Begić, S., Špirtović-Halilović, S., Sher, F. **(2021)**. Heavy metals content in ashes of wood pellets and the health risk assessment related to their presence in the environment. Scientific Reports, 11(1), 1-9. (*Web of Science - Current Contents*)
8. **Salihović, M.**, Pazalja, M., Halilović, S. Š., Veljović, E., Mahmutović-Dizdarević, I., Roca, S., Novaković, I., Trifunović, S. **(2021**). Synthesis, characterization, antimicrobial activity and DFT study of some novel Schiff bases. Journal of Molecular Structure, 1241, 130670. (Web of Science - Current Contents Physical, Chemical & Earth Sciences)
9. **Salihović, M.**, Pazalja, M., Huremović, M., Ajanović, A., Tahirović, I. (2021). Chemical Ingredients of Fresh and Dry Wild Mushrooms from Bosnia and Herzegovina. Asian Journal of Pharmaceutical Research and Health Care, 13(3), 244-253. *(Web of Science - Emerging Sources Citation Index)*
10. **Salihovic, M.**, Pazalja, M., Šapčanin, A., Dojčinović, B. P., & Špirtović-Halilović, S. **(2021)**. Element contents and health risk assessment in wild edible mushrooms of Bosnia and Herzegovina. Plant, Soil and Environment, 67(11), 668-677. *(Web of Science - Current Contents).*