**NAME AND SURNAME: Mirha Pazalja**

**Work experience:**

* 2017. Assistant Professor

Department of Chemistry in Pharmacy

* 2012. Teaching and Researching Senior Assistant

Department of Natural Sciences in Pharmacy

* 2007. Teaching and Researching Assistant

Department of Natural Sciences in Pharmacy

**Education:**

* 2017. PhD

Doctoral dissertaion: ''Development of a new sensor for thiol compounds based on dichloro-bis [*N*-phenyl-5-halogeno-salicylideniminato-*N, O*] ruthenium (III) complex as an electron transfer mediator''.

University of Sarajevo , Faculty of Science

* 2012. MSc in Chemistry

Master's thesis: ''Quantification of Sulfur in Natural and Artificial Fertilizers Using High Performance Ion Chromatography (HPIC)''

University of Sarajevo , Faculty of Science

* 2006. Professor of chemistry

Graduate thesis: ''Isolation of green pigment from spinach''.

University of Tuzla , Faculty of Science

**Study abroad:**

* Center for applied spectroscopy international summer schools, GC and UV-VIS spectroscopy application, Skopje, Macedonija, 2008.
* Quality in South East Europe: obstacles and opportunities, Radovljica, Slovenia, 2008.
* ''International School of Ion Chromatography'', Zagreb, Croatia, 2010.

**Academic/teaching work:**

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

• Subject: General chemistry and Inorganic chemistry.

1st Cycle of Studies at the Faculty of Science, University of Sarajevo.

• Subject: General chemistry for physics students and General chemistry.

Undergraduate study at the Faculty of Science, University of Sarajevo

• Subject: Demonstrative Experiments in Chemistry and Methodology of Chemistry Education.

1st Cycle of Studies at the Faculty of Mechanical Engineering, University of Sarajevo.

• Subject: Chemistry

2nd Cycle of Studies at the Faculty of Mechanical Engineering, University of Sarajevo.

• Subject: Wood chemistry and auxiliary materials.

**Projects:**

* 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.
* 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.
* Analysis of the antioxidant status of plants used in the nutrition in the Bosnia and Herzegovina market, 2015, Federal Ministry of Education and Science in Bosnia and Herzegovina. Project leader: Aida Šapčanin.

**Selected publications:**

1. **Pazalja M.**, Kahrović E., Zahirović A., Turkušić E. **(2016).** Electrochemical Sensor for Determination of L-Cysteine Based on Carbon Electrodes Modified with Ru(III) Schiff Base Complex, Carbon Nanotubes and Nafion. International Journal of Electrochemical Science, 11: 10939 – 10952. *(Web of Science - Current Contents)*
2. 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)*
3. **Pazalja M. (2018).** Electrochemical Oxidation of Ascorbic Acid Mediated by Ru(III) Schiff-base Complex/Multi-Walled Carbon Nanotube/Nafion Modified Carbon Electrode. Journal of Chemical, Biological and Physical Science, 8(4): 601-610*. (CAS, Ebesco Indexing, Index Copernicus, Directory of Open Access Journals).*
4. **Pazalja M.** **(2021)**. Electrochemical Oxidation of 2, 5-Dimercapto-1, 3, 4-thiadiazole on Carbon Electrodes Modified with Ru(III) Schiff Base Complex. Kemija u Industriji, Journal of Chemists and Chemical Engineers, *70* (7-8), 401-410. (*Web of Science - Emerging Sources Citation Index, DOAJ, SCImago)*
5. 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)*
6. **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*)
7. 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)*
8. **Pazalja M.**, Salihović M. (**2021**). Spectrophotometric Determination of Cysteine Based on Complex Reaction Alizarin Red with Cooper. In the International Conference on Medical and Biological Engineering (pp. 474-480). Springer, Cham. (SCOPUS, EI Compendex, Japanese Science and Technology Agency (JST), SCImago)
9. 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)*.