**NAME AND SURNAME: SELMA KORAĆ**

**Work experience:**

* 2018. Teaching and Research Assistant

Department of Natural Sciences in Pharmacy

* 2021. Senior Teaching and Research Assistant

Department of Chemistry in Pharmacy

**Education:**

* 2020 - PhD studies

University of Belgrade, Faculty of Physical Chemistry

* 2018. MA in Physical Chemistry

Master thesis: „Effect of Alcali Metal Cations on Electrochemical Reduction and Capacitive Properties of Graphene Oxide“

* 2017. BA in Chemistry

Bachelor thesis: „Characterization and Investigation of Electrochemical Properties of Graphene Oxide Treated with Hydrofluoric Acid“

**Academic/teaching work:**

Integrated study of the I and II cycle studies - Faculty of Pharmacy

* Senior Teaching Assistant - courses: Physical Chemistry I, Physical Chemistry II

Bachelor studies - Faculty of Science, Department of Chemistry

* Senior Teaching Assistant - courses: Physical Chemistry I, Physical Chemistry II, Electrochemistry

**Projects:**

* 2019 – Collaborator on the project funded by the Federal Ministry of Education and Science in 2019: „Functionalized graphene materials in electrochemical systems for energy conversion and storage“. Project manager: doc. dr. Sanjin Gutić
* 2020 - Collaborator on the project funded by the NATO Science for Peace and Security Programme: „Optimizing Fuel Cell Catalyst Stability upon Integration with Reforming – OFICeR“. Project managers: Nejc Hodnik (National Institute of Chemistry, Slovenia), Sanjin Gutić (University of Sarajevo, Faculty of Science, Bosnia and Herzegovina), Igor Pašti (University of Belgrade, Faculty of Physical Chemistry, Serbia)

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

* Karačić, D., Korać, S., Dobrota, A. S., Pašti, I. A., Skorodumova, N. V., & Gutić, S. J. (2019). When supporting electrolyte matters–Tuning capacitive response of graphene oxide via electrochemical reduction in alkali and alkaline earth metal chlorides. *Electrochimica Acta*, *297*, 112-117.
* Šćepanović, J., Korać, F., Gutić, S., Ostojić, J., Herenda, S., Bunjo, A., Korać, S. Inhibition of Iron Corrosion in Seawater Using Rosemary Extracts (Rosmarinus officinalis L.). *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 52,* 1-10.
* Šapčanin, A., Pehlić, E., Korać, S., Ramić, E., Pehlivanović, B. (2021) Estimating the Health Risk of Heavy Metals in Edible Plants to the General Population in Sarajevo, B&H. *New Technologies, Development and Application IV*
* Šapčanin, A., Pehlić, E., Ramić, E., Korać, S., Pehlivanović, B. (2021) Determination of Heavy Metals in Wild Mushrooms from Western Bosnia. *New Technologies, Development and Application IV*
* Korać, S., Hrnić, A., Korać, F., Dobrota, A.S., Pašti, I.A., Gutić, S.J., Electrochemical reduction of fluorinated graphene oxide – trends in capacitance in aqueous electrolyte, XII Meeting of Young Chemical Engineers, February 22-23, 2018, Zagreb, Croatia.
* Karačić, D., Korać, S., Pašti, I. A., Sačer, D., Gutić, S. J., Alkali metal cations in electrochemical reduction of graphene oxide: effects on capacitive performance. PHYSICAL CHEMISTRY 2018 – 3rd International Meeting on Material Science for Energy Related Applications, September 25-26, 2018, Belgrade, Serbia.
* Korać, F., Burović, S., Korać, S., Comparison of Corrosion Stability of Alloyed Materials Based Orthopedic Implants, OPORPH 2019: Book of Abstracts, November 14-15, 2019, Tuzla, Bosnia and Herzegovina.