

Elham Khezerloo

ABOUT ME

Date of Birth: June 17, 1994

Place of birth: Urmia

Marital Status: Married

✉ elhamkhezerloo@gmail.com



+989386233706

+989143868873



ACADEMIC BACKGROUND

B.Sc.

University: Urmia University

Major: Applied chemistry

M.Sc.

University: Iran University of Science and Technology

Major: Nano Science and Technology - Nanochemistry

Thesis: Synthesis of TMU-22 metal-organic framework nanostructures; Study of its performance as a supercapacitor electrode and detector of metal cations and small molecules

Supervisor: Dr. Seyed Morteza Mousavi-Khoshdel, Dr. Vahid Safarifard

Advisor: Dr. Ali Ghaffarinejad

Ph.D.

University: Institute for Nanoscience and Nanotechnology (INST), Sharif University of Technology

Major: Nano Science and Technology

PUBLICATIONS

- Khezerloo, Elham, S. M. Mousavi-khoshdel, and Vahid Safarifard. "Sensitive and selective detection of metal ions and small molecules in aqueous media using a hydrolytically stable amide-functionalized metal–organic framework." *Polyhedron* 166 (2019): 166-174.

NATIONAL AND INTERNATIONAL CONFERENCES

❖ **First International Conference on Modern Power Trains With the Focus on Electric Vehicles**

- Application of TMU-22/CNT composite as an electrode material for supercapacitors
https://www.civilica.com/Paper-MPTCONF01-MPTCONF01_019.html

❖ **10th Iranian Fuel Cell Seminar**

- Application of Ni doped Zn based metal-organic framework as an electrode material for supercapacitors

RESEARCH INTERESTS

- Nano Science and Technology
- Electrochemical sensors
- Chemical Sensors based on Metal-Organic Frameworks
- Supercapacitors
- Electrosynthesis
- Electropolymerization
- Environmental contaminants

Licenses & Certifications

- The use of statistical methods and gas chromatography in quality control of food industry
- Commercial Empowerment of Nanotechnology
- Gaussian computational software
- Health, Safety and Environment (HSE)
- Advanced English, Iran language institute

IT AND SOFTWARE

- Microsoft Office (Word, Excel, Power point)
- Origin
- Gaussian
- Materials Studio
- Nova

Languages

- Azerbaijani
- Turkish
- Persian
- English

References

- Professor Dr. Khalil Farhadi, Urmia university,
Email: kh.farhadi@urmia.ac.ir
- Assistant Professor Dr. Seyed Morteza Mousavi Khoshdel, Iran University of Science and Technology,
Email: mmousavi@iust.ac.ir
- Assistant Professor Dr. Vahid Safarifard, Iran University of Science and Technology,
Email: vsafarifard@iust.ac.ir
- Associate Professor Dr Ali Ghaffarinejad., Iran University of Science and Technology,
Email: Ghaffarinejad@iust.ac.ir