Seyed Mohammad Pishnamazi

PhD student

Slovakia | +421-2-3229 4311 | seyedmohammad.pishnamazi@savba.sk

Education

DOCTOR OF SCIENCE | 2021- PRESENT| POLYMER INSTITUTE OF THE SLOVAK ACADEMY OF SCIENCES | SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA

- Major: Macromolecular Chemistry
- Thesis: “Kinetics and mechanism of radical polymerization in aqueous solution”.

MASTER OF SCIENCE | 2016-2019 | SHARIF UNIVERSITY OF TECHNOLOGY

- Major: Chemical Engineering (Environmental)
- Thesis: “Adsorption study and optimization analysis of cu(ll) removal from industrial wastewater using cross-linked acrylamide/sodium alginate/graphene oxide hydrogels”.

BACHELOR OF SCIENCE | 2011-2016 | AMIRKABIR UNIVERSITY OF TECHNOLOGY

- Major: Chemical Engineering

Research Interests

- **Radical Polymerization Kinetics**
- **Hydrogels**
- Membrane Separation
- Adsorption Process

Publications

- **Mohammad Pishnamazi**, Shahnaz Ghasemi, Arash Khosravi, Abolfazl ZabihiSahebi, Atefeh Hasan-Zadeh, and Seyed Mehdi Borghei. "Removal of Cu (ll) from industrial wastewater using poly (acrylamide-co-2-acrylamide-2-methyl propane sulfonic acid)/graphene oxide/sodium alginate hydrogel: Isotherm, kinetics, and optimization study." Journal of Water Process Engineering 42 (2021): 102144.
- **Mohammad Pishnamazi**, Shahnaz Koushkbaghi, Seiede SamiraHossein, Meisam Darabi; AfrouzYousefi, Mohammad Irani. “Metal organic framework nanoparticles loaded- PVDF/chitosan nanofibrous ultrafiltration membranes for the removal of BSA protein and Cr(VI) ions." Journal of Molecular Liquids (2020)
- ZabihiSahebi, Abolfazl, Shahnaz Koushkbaghi, **Mohammad Pishnamazi**, Anis Askari, Reza Khosravi, and Mohammad Irani. "Synthesis of cellulose acetate/chitosan/SWCNT/Fe3O4/TiO2 composite nanofibers for the removal of Cr (VI), As (V), Methylene blue and Congo red from aqueous solutions." International Journal of Biological Macromolecules (2019).
- Koushkbaghi Shahnaz, Amirabbas Zakialamdari, **Mohammad Pishnamazi**, Hossein Fasih Ramandi, Majid Aliabadi, and Mohammad Irani. "Aminated-Fe3O4 nanoparticles filled chitosan/PVA/PES dual layers nanofibrous membrane for the removal of Cr (VI) and Pb (II) ions from aqueous solutions in adsorption and membrane processes." Chemical Engineering Journal 337 (2018): 169-182.

Honors and Awards

- Ranked in the top 0.5% at the nationwide entrance exam for master's degree studies, 2016
- Ranked in the top 1% among approximately 300,000 participants in the nationwide university entrance exam in the field of Mathematics & Physics for B.Sc. degree, Tehran, Iran 2011
- Ranked 3rd in the State Top high school of Sabzevar, Sampad high school, 2007-2010

Work and Research Experiences

RESEARCH ASSISTANT ***SHARIF UNIVERSITY OF TECHNOLOGY***

Biochemical and Bioenvironmental Research Center, Tehran 2019-2020

- **Project**: "*Study on Graphene oxide-based hydrogel nanocomposites for enhancing mechanical properties and adsorption capacity of hydrogels.*" Supervisor: Prof. Mehdi Borghei

RESEARCH ASSISTANT ***SHARIF UNIVERSITY OF TECHNOLOGY***

Biochemical and Bioenvironmental Research Center, Tehran 2018-2019

- **Project**: "*Study on polysaccharide-based hydrogels nanocomposite for removal of dyes and heavy metals.*" Supervisor: Prof. Shahnaz Ghasemi

RESEARCH ASSISTANT ***AMIRKABIR UNIVERSITY OF TECHNOLOGY***

Membrane Separation Processes Laboratory 2015–2020

- **Project**: "Study on *nanofiber composites-based cellulose, metal-organic framework (MOF) and chitosan for water purification in adsorption membrane techniques.*" Supervisor: Dr. Mohammad Irani

Skills

LANGUAGES

- **English**: Professional

  TOEFL iBT score: 98/120 (Reading: 24 Listening: 27 Writing: 24 Speaking:23)