

Mozhgan Zakeri

Assistant Professor

Faculty : Engineering

Departments : chemical engineering

Phone : +9854 - 31132778

Email : m_zakeri@eng.usb.ac.ir

Address : Dept.of chemical engineering , Faculty of Engineering, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- B.Sc, Chemical Engineering,Sahand University of Technology - 2005
- MS, Chemical Engineering,Sistan and Baluchestan University - 2009
- PhD, Chemical Engineering,Sistan and Baluchestan University - 2016

Courses

1. Laboratory of fluid mechanics
2. fluid mechanics II
3. powder technology
4. q
5. Nanotechnology and its applications
6. Principles of Industrial Water Treatment Engineering
7. introduction to biological sciences
8. enerjy and environment

Thesis

Master Thesis

1. Experimental study of metal-organic framework preparation for heavy metal removal from industrial wastewater

پري سلطاني, [Mozhgan Zakeri, Abdolreza Samimi, Azadeh Agah]

نيمسال اول سال تحصيلي 01-00

Journals Papers

2025

1. Green synthesis of ZIF-8 nanoparticles for the simultaneous removal of Cd II) and Sb III) from contaminated wastewater

Pari Soltani, Mozhgan Zakeri, Abdolreza Samimi, Azadeh Agah

Advances in Environmental Technology Volume: (11) 75 - 90

2024

2. A Feasibility Study for the Preparation of Green Copper-Colored Mica Pearlescent Pigments

, Mozhgan Zakeri, Hamid Moghadam Deymeh, Mohsen Samimi

advanced journal of chemistry-section a Volume: (7) 338 - 346

3. Synthesis of mesoporous ?-alumina from a low-grade boehmite ore: Effect of thermal/chemical processing order on physico-chemical characteristics of adsorbent and regeneration of used transformer oils

Kosar Dinarvandi, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri, Reyhaneh Zakeralhosseini

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (209) 72 - 80

2023

4. Optimizing the Structure of Spherical ?-Alumina Granules Prepared by Oil Drop Method

Sroush Samak, Seyyed Hossein Zohdi, Mozhgan Zakeri, , Malihe Ghofranpakdel

Volume: (21) 79 - 88

5. A Brief Review of Recent Results in Arsenic Adsorption Process from Aquatic Environments by Metal-Organic Frameworks: Classification Based on Kinetics, Isotherms and Thermodynamics Behaviors

Mohsen Samimi, Mozhgan Zakeri, Falah Alobaid, Babak Aghel

Nanomaterials Volume: (13) 60 -

2022

6. A Brief Review of Recent Results in Arsenic Adsorption Process from Aquatic Environments by Metal-Organic Frameworks: Classification Based on Kinetics, Isotherms and Thermodynamics Behaviors

Mohsen Samimi, Mozhgan Zakeri, Falah Alobaid, Babak Aghel

Nanomaterials Volume: (13) 60-1 - 60-12

2021

7. Experimental evaluation of parameters affecting the coating performance of urea seeds in a prototype bottom external mixing spray two-fluid nozzle fluidized bed granulator

, Ali Keikhosravani, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri

CHEMICAL ENGINEERING RESEARCH and DESIGN Volume: (172) 242 - 253

2020

8. Incorporation of Metal Oxides on Mica Flakes as Green Pearlescent Pigments: Preparation and Analysis

, Mozhgan Zakeri

Iranian Journal of Chemical Engineering Volume: (17) 34 - 43

2019

9. Optimization of calcium alginate beads production by electrospray using response surface methodology

Mozhgan Zakeri, Hamid Moghadam Deymeh, Abdolreza Samimi, Davod Mohebbi Kalhori

Materials Research Express Volume: (6) 095412 -

10. Mono-Size Distribution Index (MSDI): A new criterion for the quantitative description of size distribution

Hamid Moghadam Deymeh, Mozhgan Zakeri, Abdolreza Samimi

Journal of Particle Science and Technology Volume: (5) 71 - 76

Conferences Papers

2025

1. Application of Open-Path FTIR spectroscopy in monitoring of air pollutants in animal farms

Mozhgan Zakeri, Hamid Moghadam Deymeh

2. A brief review of the types of adsorbents and the effect of surface modification on the adsorption capacity enhancing

Kosar Dinarvandi, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri, Ryhaneh Zakeralhosseini

2023

3. Synthesize of meso-porous active ?-Al2O3 adsorbent from a low-grade Zagros mountain range raw boehmite ore, using step-wise thermal and chemical processing methods; study parameters affecting adsorbent structural characteristics

The 12th International Chemical Engineering Congress Exhibition (IChEC 2023)

Kosar Dinarvandi, Abdolreza Samimi, Davod Mohebbi Kalhori, Mozhgan Zakeri, Seyyed Hossein Zohdi, Reyhaneh Zaker-Al-Hoseini

4. The reliability evaluation of mechanical strength data of industrial catalysts using Weibull analysis

3rd Iranian Catalyst Conference

Mozhgan Zakeri, Hamid Moghadam Deymeh, Seyyed Hossein Zohdi