Vajihe Yousefi

Professor

Faculty : Engineering

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Education

- B.Sc, Chemical Engineering,Sistan and Baluchestan University - 2005
- MS, Chemical Engineering,Sharif University of Technology - 2008
- PhD, Chemical Engineering,Sistan and Baluchestan University - 2018

Courses

1. laboratory of processes control
2. Laboratory of fluid mechanics
3. Bio Materials
4. Statics and materials strength
5. Workshop on engineering softwares
6. Engineering Matehmatics
7. fluid mechanics II
8. fluid mechanics I
9. differentioal equations
10. Design of heat and mass transfer devices
11. introduction to biological sciences
12. Advanced numerical engineering mathematics
13. Multicomponent separation
14. Advanced numerical calculation
15. Units operation I
16. applied mathematics in chemical engineering
17. advanced mass transfer
18. training
19. enerjy and environment
20. Design of heat and mass transfer devices
21. Mabahes vegeh
22. Transport Phenomena

Thesis

Master Thesis

1. Treatment and removal of heavy metal of acid mining drainage using MFC technology:لاتين

   مهديه اچاك, [Azadeh Agah, Vajihe Yousefi, Alireza Rezvani, Mozhgan Zakeri, Ali Akbar Daya, Bahareh Pirzadeh]

   نيمسال اول سال تحصيلي 1401-1402

2. The evaluation and simulation of ammonia removal methods from industrial wastewater

   اميرمسعود وارث, [Bahareh Bidar, Vajihe Yousefi, Mortaza Zivdar, Mohammad Reza Sardashti Birjandi, Seyed Amirasad Fatemi]

   نيمسال اول سال تحصيلي 00-01

3. design of citric acid production process from wasted lemon peel

   زهرا اربابي, [Rahbar Rahimi, Vajihe Yousefi]

   نيمسال اول سال تحصيلي98-99

4. investigation of the use of palm waste in the production of value added materials such as bioethanol production

   سميه ارتا, [Rahbar Rahimi, Vajihe Yousefi]

   نيمسال اول سال تحصيلي98-99

Journals Papers

2025

1. Evaluation of Ammonia Removal from Industrial Wastewater Using Air Stripping and Wet Air Oxidation Methods

Amirmasoud Vares, Bahareh Bidar, Vajihe Yousefi

Volume: (20) 35 - 56

2. Investigation of the Effect of Drying Conditions on the Structural Properties and Catalytic Performance of Fe-Co-Ni/MgO Catalyst for Light Olefins Production from Syngas

Samaneh Vahid, Vajihe Yousefi

Volume: (12) 90 - 107

2024

3. The optimization of reactive black 5 dye removal using Coprinus cinereus peroxidase CIP)

Vajihe Yousefi, HamidReza Kariminia

Advances in Environmental Technology Volume: (10) 85 - 101

2023

4. Performance evaluation of novel ml-scale microbial fuel cells using different polymeric hollow-fiber membranes

, Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolreza Samimi

Journal of Water Process Engineering Volume: (55) 104064-1 - 104064-12

5. Implementation of Chitosan Modified Ultrafiltration Hollow Fiber as Proton Exchange Membrane of Ml-Scale Microbial Fuel Cells

, Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolreza Samimi

Hydrogen, Fuel Cell and Energy Storage Volume: (10) 229 - 310

2022

6. Statistical investigation of pivotal physical and chemical factors on the performance of ceramic-based microbial fuel cells

Vajihe Yousefi

Energy Harvesting and Systems Volume: (9) 239 - 252

7. Multi-Response Optimization of Tubular Microbial Fuel Cells Using Response Surface Methodology RSM)

Maryam Keshavarz, Davod Mohebbi Kalhori, Vajihe Yousefi

Journal of Renewable Energy and Environment Volume: (9) 49 - 58

8. Milliliter-scale microbial fuel cell MFC) fabricated by polyethersulfone PES) hollow fiber membrane

Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolkarim Heidari

Chemical Process Design Volume: (1) 14 - 21

2021

1. Utilization of polyethersulfone (PES) hollow fiber as the membrane of a Milliliter-scale microbial fuel cell (MFC)

3rd international Congress on Water Desalination

Vajihe Yousefi, Davod Mohebbi Kalhori, Abdolkarim Heidari

Research Project

2023

1. Utilization of magnesium oxide in microbial fuel cell for wastewater treatment

Vajihe Yousefi - 2023