



## Vajihe Yousefi

### Assistant Professor

Faculty : Engineering

Departments : chemical engineering

Phone : +9854 - 31136454

Email : v.yousefi@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, 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 Mathematics                      |
| 7. fluid mechanics II                   | 8. fluid mechanics I                            |
| 9. differential 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 |

## Thesis

## Master Thesis

### 1. design of citric acid production process from wasted lemon peel

زهره اربابي, [Rahbar Rahimi, Vajihe Yousefi]

نیمسال اول سال تحصیلی 98-99

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

ارنا, [Rahbar Rahimi, Vajihe Yousefi]

نیمسال اول سال تحصیلی 98-99

---

## Journals Papers

---

### 2023

---

1. 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

### 2022

---

2. 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

3. 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

---

## Conferences Papers

---

### 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