Full Name

M.Sc. student, Chemical Engineering, xxxxxx University of Technology, Tehran, Iran

Personal Info

Date of Birth: ×× January 19×× Hometown: ×××××××, Isfahan, Iran Contact: (+98)913-×××-××× | <u>××××××××@gmail.com</u> | <u>LinkedIn URL</u>

Education

M.Sc. | September 2018 - September 2021 | ×××××× University of Technology, Iran

- · Chemical Engineering (Separation Processes)
- Cumulative GPA: 16.20 out of 20 (3.42 out of 4) via 26 credits
- · Last 3 semesters GPA: 17.13 out of 20 (3.57 out of 4) via 14 credits
- Thesis: Experimental investigation on the xxxxxxx two-phase xxxx separation with xxxxxxx in microfluidics (score: 19 out of 20). Jan 2019 Sep 2021 Supervisor: Dr. xxxxxxx

(I also simulated my project with COMSOL Multiphysics with the help of SolidWorks software for drawing the microchannel geometry, and I studied the different effective conditions to find the optimum point for separating target microparticles from others in a special spiral microchannel.)

B.Sc. | September 2014 – July 2018 | ×××××××× University, Iran

- · Chemical Engineering
- · Cumulative GPA: 16.20 out of 20 (3.4 out of 4) via 140 credits
- Thesis: ********** ********* using microbial electrolysis cells (MEC).

Feb 2018 – Sep 2018 Supervisor: Dr. ×××××××

Research Interests

• Microfluidics

Lab-on-a-chip Spiral microfluidics Microalgae separation Cell Separation

- Biomedical Engineering
- Catalyst & Catalytic Reactions Engineering
- Fluid Mechanics
- Environmental Engineering
 Wastewater treatment
 Potable water treatment

Publications

Review Paper (submitted): Paper Title

Author 1, Author 2, Author 3

Conference Paper Title

Author 1, Author 2, Author 3, Author 4

• The ××th International Chemical Engineering Congress & Exhibition (IChEC 20××)

Paper Title

Author 1, Author 2

· In prep to be submitted by October 2021

Honors & Awards

- Ranked 3.2% out of nearly 3000 participants in Iran's Entrance Exam for Master of Chemical Engineering, 201×.
- Top 15% among 60 students in the 201×–202×, Chemical Engineering Department class.
- Ranked 2% out of nearly 250,000 participants in Iran's University Entrance Exam, 201×.
- Ranked 1st in National Karate Competitions (Shotokan Style), 201×, In Kumite Competition, Qom, Iran.
- Ranked 2nd in National Volleyball Student Competitions, 201×, In Lorestan, Iran.
- Permission to Go to The Country's Sports Olympiad in The Field of Volleyball, 201×, Mashhad, Iran.

Course Projects

Economics in Engineering
 Spring 201×
 With Dr. ××××××

Furnace and economic estimation: This study presented the economic performance of different furnaces and a brief comparison between them.

Water and Wastewater Treatment
 Fall 201×
 With Dr. ×××××××

Use of microbial electrolysis cells for wastewater treatment: This study offers an overview of the potential of using MEC technology in wastewater treatment plants to reduce the energy bill.

Immune In chemical Engineering
 Spring 201×
 With Dr. ×××××××

Individual safety equipment: A qualitative study was conducted to investigate the factors that influence individual safety behavior at work.

Less-Conventional Separation Techniques
 Fall 201×
 With Dr. ××××××

Separation of ethanol and water by extraction-distillation method with the help of salt and solvent as extractor: The aim of this project was to simulate (by Aspen HYSIS) the ethanol and water extraction distillation unit, in which simulation had been performed with the help of various solvents and salts, and a brief comparison had been made between them.

Advanced Adsorption Processes
 Fall 201×
 With Dr. ×××××××

Simulation of Laboratory Data of Hydrogen Separation from a Gas Mix Using a Double Bed with Aspen Adsim Software: This simulation was based on Nonadiabatic and Non-isothermal, the isotherm used was Langmuir site Dual, and PSA variables were examined on the separation process

Mechanical Separation
 Fall 201×
 With Dr. ×××××

Magnetic separation processes: This study investigated magnetic separation devices and methods for separating magnetic particles from non-magnetic particles.

Selected Courses

Masters

- Tuble I b		
Less-Conventional Separation Techniques	16.8 out of 20	With Dr. ××××××
Advanced Chemical Eng. Mathematics	16.9 out of 20	With Dr. ×××× ×××××
Mechanical Separation	18.2 out of 20	With Dr. ××××××
Fluidization Engineering	19 out of 20	With Dr. ×××××××
Advanced Kinetics & Reactor Design	17.5 out of 20	With Dr. ×××××××
Undergraduate		
Computer Programming	20 out of 20	With Dr. ××××××××
Fluid Mechanics	17.7 out of 20	With Dr. ××××××××
Application of Mathematics in Chemical Eng.	20 out of 20	With Dr. ×××××××
Safety in Chemical Industries	19.1 out of 20	With Dr. ×××××××
Water & Wastewater Treatment	17.27 out of 20	With Dr. ×××××××

Language Skills

- English: Duolingo English test (overall result: 120)
- · Arabic: Intermediate
- Persian: Native

Teaching & Work Experiences

- English Teaching in Ideal Institute in [City Name] (zabanideal.ir).
- Elementary School Mathematics Tutor
- 6th Grade Mathematics Teaching in School
- Painting Pencil Crayons Training at the University's Cultural & Artistic Institute (******* University)
- Employee of 3Gaam Institute
 - Experience working on SEO and Content Production at 3Gaam Institute (<u>3Gaam.com</u>).
- Starting up an Online Boutique ([Brand Name])

Work on selection, Purchase, and designing photo products of girl's clothing accompanied by Loading on the Site and Instagram for sale...

• Activities in The Executive Group of The University Philosophy Institute

Software and Programming Skills

- Web Designing: Passing Training Classes (Html, CSS, UI, UX, Adobe XD, WordPress, WooCommerce), Acceptance in Final Project (Score 91 Out Of 100), Winter, 201×, University of Tehran Entrepreneurship Institute (<u>Utkarafarini.Com</u>), Tehran, Iran.
- Aspen HYSIS: Passing Training Classes, Acceptance in Final Project, Summer, 201×, Isfahan, Iran.
- Advanced Level
 COMSOL Multiphysics SolidWorks Microsoft Office HTML & CSS Photoshop SEO WordPress
- Intermediate Level

Aspen ADSIM MATLAB Adobe XD Adobe Illustrator Aspen HYSYS C sharp (C#)

Nonacademic Activities & Hobbies

- Sports (Volleyball, Karate, Mountaineering, Swimming...)
- Painting (Watercolor, Pencil Crayons, Pastel...)
- · Reading books (Philosophy, History, Poetry, Novel...)

References

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