

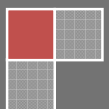


Professional Resume

Marzieh Pourcheriki

*Chemical Engineering student
Sharif University of Technology – Tehran- Iran.*

September 2010



Marzieh Pourcheriki

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Cell: +989355806882

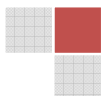
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m_p_cheriki@yahoo.com

EDUCATION

- Sep. 2008-Present **M.Sc. in Chemical Engineering-Food Industry**
Amirkabir University of Technology (Tehran Polytechnic)- Iran
GPA: 17.14 out of 20 (Up to Now)
- Thesis subject : Synthesis of ZnS quantum dots as fluorescence sensor for detection of Aflatoxin in aqueous solution
- Sep. 2003-Jun.2008 **B.Sc. in Chemical Engineering**
Sharif University of Technology-Iran
GPA: 16.23 out of 20
- Thesis subject: Investigation of Biosurfactant Production in high pressure condition for Microbial Enhanced Oil Recovery (MEOR) Purposes
- Jun. 2003 **High School Diploma in Mathematics and Physics, Tehran, Iran**
GPA: 19.80 out of 20
-

RESEARCH EXPERIENCE

- M.Sc.
- Effect of Lactose Feeding Strategy on β -galactosidase Production by *K.fragilis*
 - Synthesis of ZnS Quantum Dots
 - Investigation of Manufacturing an Optical Sensor Based on Luminescence Phenomena to Determine Aflatoxin Levels in Pistachio
 - Microorganism and Cell Culture Methods - Food Biotechnology Lab
 - Working with Photoluminescence Spectrophotometer
- B.Sc.
- Working on High pressure Pilot Reactor. (B.Sc. thesis)
 - Working with Spectrophotometer
 - Working with Tensiometer and HPLC
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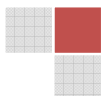
ACADEMIC EXPERIENCE, COURSES AND TRAINING

M.Sc. Extracurricular Courses

- Spring 2010 **Membrane Technology**, Controlled Release Chapter (Auditor)
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. M. J. Abdekhodaie*
- Spring 2009 **Statistic**
Department of Chemical Engineering, Amirkabir University of
Technology, Lecturer: *Prof. F. Vahabzadeh*, Grade: 18.5 out of 20
- Spring 2009 **Food Biotechnology Lab**
Department of Chemical Engineering, Amirkabir University of
Technology, Lecturer: *Dr. Mogharei*, Grade: 19 out of 20
- Fall 2008 **Food Biochemistry**
Department of Chemical Engineering, Amirkabir University of
Technology, Lecturer: *Prof. F. Vahabzadeh*, Grade: 17.5 out of 20

B.Sc. Extracurricular Courses

- Fall 2006 **Food Quality Control**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *V. Maghsudi*, Grade: 18 out of 20
- Fall 2006 **Principles of Combustion Engineering**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. M. J. Abdekhodaie*, Grade: 17 out of 20
- Fall 2006 **Corrosion in Petrochemical Industry**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. Baghalha*, Grade: 16 out of 20
- Spring 2006 **Industrial Management**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *A. Monzavi (Adjunct Prof. PETRO ARAM COMPANY)*
Grade: 19.5 out of 20
- Fall 2005 **Two Phase Flow in Pipelines**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. A. Vatani*, Grade: 17.3 out of 20
- Aug. 2005 **Petroleum Lab**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. I. Goudarznia*, Grade: 18.8 out of 20
- Spring 2005 **Fundamentals of Polymer Engineering**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. M. Forounchi*, Grade: 17 out of 20
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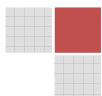


B.Sc. Distinguished Curricular Courses (Selected)

- Spring 2007 **B.Sc. Project**
Department of Chemical Engineering, Sharif University of Technology
Supervisor: *Prof. R. Roosta azad*, Grade: 20 out of 20
- Spring 2005 **Chemical Engineering Thermodynamics 2**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. R. Bozorgmehry*, Grade: 19.5 out of 20
- Spring 2005 **Fundamentals of Electrical Engineering**
Department of Electrical Engineering, Sharif University of Technology
Lecturer: *Dr. A. Rajabi*, Grade: 18.5 out of 20
- Fall 2004 **Fluid Mechanics**
Department of Chemical Engineering, Sharif University of Technology
Lecturer: *Prof. D. Bastani*, Grade: 18.5 out of 20
- Fall 2003 **Computer Programming: Pascal**
Department of Computer Engineering, Sharif University of Technology
Grade: 18.2 out of 20

Seminars, Workshops & Certifications

- Oct. 2010
(Registered) **Cellular Scaffolds and Principles of Tissue engineering**
Stem cell Technology Co., Tehran, Iran
- Dec. 2008 **First Special Seminar on Nanotechnology**
Iranian Nanotechnology Initiative Council in Collaboration with
Alzahra University, Tehran, Iran
- Mar. 2008 **The First National Seminar on Nanobiosimulation**
Tehran University of Medical Sciences, Tehran, Iran
- Nov. 2007 **Management Systems Principles & Standards**
NIS CERT company, Tehran, Iran
- Jul. 2007 **Two & three phase separators**
Research Instituted of Petroleum Industry(RIPI), Tehran, Iran
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SELECTED TERM PAPERS & PRESENTATIONS

M.Sc.

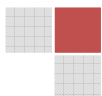
- Spring 2009 **Conduction Heat Transfer In Carbon Nano Tubes (Term paper)**
Course: Advanced Heat Transfer
Lecturer: *Prof. M, Nikazar*
- Spring 2009 **Different Preservation Methods For Vegetables (Oral Presentation)**
Course: Food Packaging and Preservation
Lecturer: *Prof. A. Aroujalian*
- Spring 2009 **Aeration in Industrial Wastewater Treatment (Oral Presentation)**
Course: Water & Wastewater treatment
Lecturer: *Prof. M.Hoseini*
- Spring 2009 **M.Sc. Program Seminar (Oral Presentation)**
Lecturer: *Prof. A. Aroujalian*
- Fall 2008 **Rheological Properties of Pasta in Mixer (Term Paper)**
Course: Food Rheology
Lecturer: *Prof. A. Aroujalian*

B.Sc.

- Spring 2007 **Industrial Applications of Enzymes (Oral Presentation)**
Course: Industrial Catalysis
Lecturer: *Prof. S. Yaghmaei*
- Fall 2005 **Gas Pipeline from Offshore Production Unit to Onshore Facilities;
Design with HYSYS® (Pipesys™ module)**
Course: Two Phase Flow in Pipelines
Lecturer: *Prof. A. Vatani*, Grade: 17.3 out of 20

PUBLICATIONS

- Near Future
(After fulfillment
of M.Sc. thesis) “Synthesis of ZnS Quantum Dots as Fluorescence Sensor for Detection
of Aflatoxin in Aqueous Solutions”
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WORK EXPERIENCE

- Aug.2009- Apr.2010 **Expert of Marketing and Sales Engineering**
SEPAHAN OIL COMPANY (Lubricant Producer)
(Baharan sq., Arjantin sq., Tehran, Iran)
- Aug.2009- Apr.2010 **Member of Executive Committee – Technical Seminars**
SEPAHAN OIL COMPANY (Lubricant Producer)
(Baharan sq., Arjantin sq., Tehran, Iran)
- Spring.2009 **Teaching Assistant for Mathematics and Physics**
Milad Danesh High School, Tehran, Iran
- Summer. 2007 **Teaching Assistant in Unit Operation Lab**
Department of Chemical Engineering, Sharif University of Technology
Tehran, Iran
- Spring &Sum. 2005 **Member of Executive Committee – Student Magazine**
FARAKHABAR, Department of Chemical engineering
Sharif University of Technology, Tehran, Iran
-

SKILLS & ABILITIES

Computer & Software

Microsoft Office

Word, Excel, PowerPoint, Visio, etc.

Technical Software

HYSYS[®], ASPEN[®] Plus, PIPESYS[™], MATLAB[®] (Familiar),
AutoCAD[®]

Programming Languages

TURBO PASCAL, C++

Platforms

Windows

Technical Ability

Design Pipelines

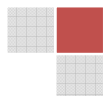
Familiar with Process Flow Diagram (PFD), Piping and
Instrumentation Diagram (P&ID)

Language











English (Oral & Writing Communication)

Turkish (Just Speaking Skill)

Farsi (Native)



FIELDS OF INTEREST

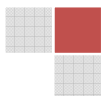
-  Biotechnology & Bioprocessing
 -  Biomaterials
 -  Drug delivery
 -  Controlled Release Systems
 -  Tissue Engineering
 -  Bioengineering
 -  Fermentation
 -  Genetic Engineering
 -  Food technology
 -  Pharmaceutical Processes
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MEMBERSHIPS

- | | |
|----------------|--------------------------------------|
| 2008 – Present | Sharif University Alumni |
| 2007- Present | Society of Petroleum Engineers (SPE) |
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HOBBIES & INTERESTS

- | | |
|--------------|---|
| Sport | Mountain Climbing, Badminton, Swimming, Walking |
| Other | Listening to Music, Reading Novel, Watching movie, Travelling |
-



REFERENCES

Prof. Abdekhodaie. M. J.

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(President of Sharif University)
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Prof. Vatani. A.

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Engineering, University of Tehran, Iran
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