

CURRICULUM VITAE

Novin Mehrabi

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PERSONAL DATA

Date of Birth: September 2, 1988

Place of Birth: Tehran, Tehran, Iran

Citizenship: Iran

EDUCATION

2012–2015 M.Sc. Chemical Engineering (designing the Process and separation), Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Thesis ***Nitrate and phosphate removal from water using adsorption process***

Supervisor Dr. Mansooreh Soleimani, Assistant Professor of Chemical engineering, Department of Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic)

GPA **18.05 out of 20**

2006–2011 B.Sc. Chemical Engineering, Guilan University, Rasht, Guilan, Iran

Thesis ***Investigation of transport phenomena in membrane processes***

Supervisor Dr. Behrooz Abbasi souraki, Assistant Professor of Chemical engineering, faculty of Chemical Engineering, University of guilan.

GPA **14.47 out of 20**

AWARDS AND HONORS

- Permitted to pursue the Ph. D degree in Chemical Engineering without qualification exam based on overall GPA, Research work and resume (Fall 2015)
- 54th person among more than 8000 people in chemical engineering replacement test for entering to master of science which was hold by Iran National Organization for Educational Testing
- One of the top students based on overall GPA (2015) in chemical engineering Department

PUBLICATIONS

Papers published in referred journals:

1. **Novin Mehrabi**, Mansooreh Soleimani, Mina Madadi Yeganeh, Hakime Sharififard, "Parameters optimization for nitrate removal from water using activated carbon and composite of activated carbon and Fe₂O₃ nanoparticles", RSC advances Journal, 3 June 2015.
<http://pubs.rsc.org/en/content/articlelanding/2015/ra/c5ra03920g#ldivAbstract>
2. **Novin Mehrabi**, Mansooreh Soleimani, Hakime Sharififard, Mina Madadi Yeganeh, "Optimization of Phosphate Removal from Drinking Water with Activated Carbon Using Response Surface Methodology (RSM) ", Desalination and water treatment, 3 Aug 2015.
http://www.tandfonline.com/doi/abs/10.1080/19443994.2015.1070763#.Vec_Evmqgko
3. **Novin Mehrabi**, Mansooreh Soleimani, Mina Madadi Yeganeh, **The use of magnetic activated carbon to improve the efficiency of phosphate removal from water: optimization using CCD method**, Under revision.

Oral presentation in international conference:

1. **Novin Mehrabi**, Mansooreh Soleimani, Mina Madadi yeganeh, Hakimeh Sharififard, **Application of response surface methodology (RSM) for optimization of nitrate removal from drinking water with activated carbon**, *2nd International Conference on Chemistry, Chemical Engineering and, Chemical Process*, (ICCC2014), Istanbul, Turkey, 10-11 July 2014.

Papers in referred conference proceedings:

2. **Novin Mehrabi**, Mansooreh Soleimani, **Study of different activated carbons potential for de-nitrification of drinking water**, *15th Iranian National Congress of Chemical Engineering* , Tehran, Iran (Islamic Republic of), 17-19 February 2015.
3. **Novin Mehrabi**, Mansooreh Soleimani, Hakime Sharififard, Mina Madadi Yeganeh, **Kinetic And Equilibrium Studies Of Phosphate Removal With Activated Carbon**, *International Porous and Powder Materials Symposium and Exhibition (ppm 2015)*, Izmir, Turkey, 15-18 September 2015.

PROFESSIONAL APPOINTMENTS

2013- Present

Research Assistant, Department of Mechanical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Supervisor

Dr. Mansooreh Soleimani

Assistant Professor of Chemical engineering, Department of Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Area of Research *Water Treatment, Membrane process, Adsorption, Simulation of chemical processes*

PROFESSIONAL SKILLS

Programming Language:

- Matlab

Engineering Softwares:

- **ASPEN Plus** (Certificate from Amirkabir university Institute, Iran)
- **Comsol Multiphysics** (Course of MSc curriculum and a project was done for the subject which was about optimizing the size and parameters of a micro steam reformer reactor to producing H₂ gas)
- **Design Expert** (was used to design, analyze and optimization of the data of my MSc experiments)

General Computer Skills:

- Microsoft Office group, Photoshop

LANGUAGE SKILLS

Persian

Native Language

English

Second Language

- TOEFL IBT score : 101

Reading: 27, Listening: 26, Speaking: 23, Writing: 25

- GRE Score: 306

Reading: Verbal: 144, Quantitative: 162, Writing: 3

Research Assistantship

2013-Present

Research Assistant, Separation laboratory of chemical engineering department, Amirkabir University of Technology (Tehran Polytechnic) with Dr. Soleimani.

WORK EXPERIENCES

2010 (June- September)

Working in AFSHOREH Company, Tonekabon, Mazandaran, Iran

Position

Engineer (Training Period)

REFERENCES

- Dr. Mansooreh Soleimani, Assistant Professor, Dept. of Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Email: soleimanim@aut.ac.ir

- Dr. Behrooz Abbasi Souraki Assistant Professor, Dept. of Chemical Engineering , Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Email: b.abbasi@quilan.ac.ir

- Mr. Nima Gashtasbzadeh, chief executive of Takamol petro palayesh, North of Sheikh bahaie sq., Takamol petro palayesh , Tehran, Iran

Email: nimagashtasb@aol.com