

# Pooria Aminizadeh

## Curriculum Vitae

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Sharif University of Technology,  
Chemical and Petroleum Engineering

Mobile Phone: +989131983146



## Education

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- 2015-2017 (expected) **M.Sc. in Chemical Engineering, Polymer Engineering,**  
*Sharif University of Technology,*  
*Department of Chemical and Petroleum Engineering, Tehran, Iran.*
- 2011 - 2015 **B.Sc. in Chemical Engineering,**  
*Sharif University of Technology, Department of*  
*Chemical Engineering, Tehran, Iran.*
- 2006 - 2010 **Mathematics Diploma, Shriati High School,** Kerman, Iran.  
Premier High School of Kerman City

## Master Thesis

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- Title *A survey on Rubber Compounds Aging Resistance Against Acidic Gases*
- Supervisor Dr. Seyyed Abbas Mousavi
- Description Aging of rubber compounds is very challenging in rubber industry. In this thesis aging of NBR/PVC compounds is studied. To getting better results Design of Experiments method have been applied to check the effect of content and kind of additives. Finally some methods applied to improve aging resistance, such as special materials and Nano-particle additives.

## Courses

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- Graduate Mechanical Properties of Polymers, Advanced Reactor Design, Composites Mechanics, Polymers Rheology, Polymerization Process, Composites and Elastomers Forming, Plastics Forming, Advanced Chemical Physics of Polymers
- Undergraduate General Mathematics, Pascal Programming, General Physics, Differential Equations, General Chemistry, Thermodynamics, Statics, Fluid mechanics, Transport Phenomena, Organic Chemistry, Analytical Chemistry, Engineering Mathematics, Statistics, Reactor Design, Process Control, Measurement Systems, Biochemical Engineering, Unit Operation, Designing Heat Exchangers and Extracting Towers

## Research Interests

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Advanced Polymers  
Nano Materials and Nano Particles  
Improving Conventional Polymers Properties with Nano-Technology  
Methods and Materials  
Transport Phenomena  
Self-Healing Materials  
Oil and Gas Industry

## Research Experiences

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- Since Jan 2016 **Sharif Membrane Technology Center, (SMTC), Sharif University of Technology, Tehran, Iran.**  
Research on "High Performance Rubber Compounds"
- Sep 2016 – Jan 2016 **Membrane Technology Laboratory, (MTL), Sharif University of Technology, Chemical and Petroleum Engineering Department, Tehran, Iran.**  
Research on "Therpolymer Gum Based on Poly Urethane"

## Teaching Experiences

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- Fall 2015 **Teaching Assistant, Sharif University of Technology, Tehran, Iran.**  
Numerical Methods in Mathematics, Supervisor: Dr. A. Ramezani S.A

## Industrial Experiences

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- Spring 2015 **Shohadaye Marvdasht Petrochemical, Phase Three, The Newest Petrochemical Plant in 2015 in Iran, Working as Intern. Marvdasht, Fars, Iran**

## Academic Projects

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- Since Jan 2016 **Sharif Membrane Technology Center, (SMTC), Sharif University of Technology, Tehran, Iran.**  
Research on "High Performance Rubber Compounds"
- Sep 2016 – Jan 2016 **Membrane Technology Laboratory, (MTL), Sharif University of Technology, Chemical and Petroleum Engineering Department, Tehran, Iran.**  
Research on "Therpolymer Gum Based on Poly Urethane"

## Honors

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| 2017 | <b>3<sup>rd</sup> Rank</b> in <i>Nano Material Ph.D. Entrance Exam</i><br>Sanjesh Organization<br>Tehran, Iran                                    |
| 2015 | <b>8<sup>th</sup> Rank</b> in <i>University Students National Chemical Engineering Olympiad</i> ,<br>Sanjesh Organization<br>Tehran, Iran         |
| 2015 | <b>16<sup>th</sup> Rank</b> in <i>Nation-Wide M.Sc. University Entrance Exam</i> ,<br>Sanjesh Organization<br>Tehran, Iran                        |
| 2011 | <b>482<sup>th</sup> Rank</b> in <i>Nation-Wide B.Sc. University Entrance Exam in Educational Region 2</i><br>Sanjesh Organization<br>Kerman, Iran |
| 2009 | <b>Accepted in 1<sup>st</sup> Stage</b> of <i>National High School Students Mathematics Olympiad</i> ,<br>Youth Scholars Club<br>Kerman, Iran     |
| 2010 | <b>Top 10</b> in the <i>High School</i> .   |

## Computer skills

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MATLAB, Gambit, ASPEN Plus, ASPEN Polymer Plus, ASPEN HYSYS,  
Microsoft Word, Microsoft Excel, Microsoft PowerPoint, General Skills

## Languages

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Persian **Native**  
English **Merely Fluent** *Speaking, Reading, and Writing.*  
Arabic **Intermediate** *Speaking, Reading and Writing.*

## Personal Information

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Place and date of birth: Kerman, Iran; 7 January 1992  
Marital Status: Married  
Nationality: Iran

## Interests and Hobbies

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Reading Books, Volleyball, Travelling,

## References

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- Associate Professor **Dr. Seyyed Abbas Mousavi**, Sharif University of Technology,  
Email: musavi@sharif.edu.
- Professor **Dr. Ahmad Ramezani S.A**, Sharif University of Technology,  
Email: ramazani@sharif.edu.
- Professor **Dr. Akbar Shojaei**, Sharif University of Technology,  
Email: akbar.shojaei@sharif.edu.

