

# Iman Sahebi Jouybari

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## EDUCATION

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### **Ph.D. Polymer Engineering**

Amirkabir University of Technology  
Average: **18/20** and Project; 19.75/20

### **B.Sc. in Polymer Engineering**

Amirkabir University of Technology  
**2008 - Present**  
Average: **17.28/20**

### **B.Sc. in Mechanical Engineering**

Amirkabir University of Technology  
**2010 - Present**

### **M.Sc. in Polymer Engineering**

Amirkabir University of Technology  
**2012 – Present**

Average: **17.7/20**

## HONORS AND AWARDS

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- Ranked First on the M.Sc. national entrance exam, 2012
- Ranked First on the PHD. national entrance exam, 2014
- Granted M.Sc. position due to High GPA and Solid Academic Background
- Honor Student in B.Sc. studies
- Participate in industrial project (production polyol)

## RESEARCH INTEREST

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- Polymer Processing
- Rheology
- Synthesis
- Industrial project
- Polymer Nanocomposites
- Film Blowing Process

## SKILLS

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### • Computer:

*General Software:* MATLAB, Microsoft Office Package (Word, Excel, PowerPoint,)

*Operating System:* Windows

### • Language:

- ✓ **English:** Fluent
- ✓ **Arabic:** Intermediate
- ✓ **Persian:** Native

## Work EXPERIENCES

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- *Advisor of Polymer Engineering (WE)*
- *Teach polymer lesson*

## Teaching Experience

- Assistant of Polymerization( Dr. Haddadi)
- Assistant of Plastic Engineering( Dr. Nazokdast)
- Assistant of Polymer Processing( Dr. Nazokdast)
- Assistant of Physical Mechanical Properties Polymer( Dr. Nazokdast)

## REFERENCES

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### 1-Professor Vahid Haddadi- Asl

Professor at department of polymer engineering, Amirkabir University of Technology.

E-mail: [haddadi@aut.ac.ir](mailto:haddadi@aut.ac.ir)

### 2- Professor Hossein Nazokdast

Professor at department of polymer engineering, Amirkabir University of Technology.

E-mail: [nazdast@aut.ac.ir](mailto:nazdast@aut.ac.ir)

## PUBLICATIONS

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### *Journal Publications*

- 1- Sahebi Jouybari, I., Haddadi-Asl, V., & Mirhosseini, M. M. (2019). Effect of nanofiller content and confined crystallization on the microphase separation kinetics of polyurethane nanocomposites. *Polymer Composites*, 40(S1), E422-E430.
- 2- Sahebi Jouybari, I., Haddadi-Asl, V., & Mirhosseini, M. M. (2018). Formulation of micro-phase separation kinetics of polyurethane nanocomposites. *Polymers for Advanced Technologies*, 29(12), 2909-2916.
- 3- Jouybari, I. S., Haddadi-Asl, V., & Mirhosseini, M. M. (2019). A novel investigation on micro-phase separation of thermoplastic polyurethanes: simulation, theoretical, and experimental approaches. *Iranian Polymer Journal*, 28(3), 237-250.
- 4- Sahebi Jouybari, I., Haddadi-Asl, V., Ahmadi, H., & Mirhosseini, M. M. (2019). Micro-phase separation kinetics of polyurethane nanocomposites with neural network. *Polymer Composites*.
- 5- Sahebi Jouybari, I., Kamkar, M., & Nazokdast, H. (2018). Nanoparticle effects of thermoplastic polyurethane on kinetics of microphase separation, with or without preshear. *Polymer Composites*, 39(12), 4551-4559.
- 6- Sahebi Jouybari, I., Haddadi-Asl, V., (2019). Rheological Investigation of Carbon-based Hybrid Polyurethane Nanocomposites with Continuous network"
- 7- Mirhosseini, M. M., Haddadi-Asl, V., & Jouybari, I. S. (2019). A simple and versatile method to tailor physicochemical properties of thermoplastic polyurethane elastomers by using novel mixed soft segments. *Materials Research Express*, 6(6), 065314.
- 8- Mirhosseini, M. M., Haddadi-Asl, V., & Jouybari, I. S. (2019). How the soft segment arrangement influences the microphase separation kinetics and mechanical properties of polyurethane block polymers
- 9- Shahrousvand, E., Shahrousvand, M., Ghollasi, M., Seyedjafari, E., Jouybari, I. S., & Salimi, A. (2017). Preparation and evaluation of polyurethane/cellulose nanowhisker bimodal foam nanocomposites for osteogenic differentiation of hMSCs. *Carbohydrate polymers*, 171, 281-291.

**Conference Papers**

Proceedings of the 7th International Conference on Nanostructures (ICNS7)

27Feb- 1 Mar 2018, Tehran, Iran

**1- Effect of interaction between polyurethane and nanofillers with different chemical nature on the properties and morphology of polyurethane nanocomposites**

[Iman Sahebi Jouybari](#), Vahid Haddadi-Asl\*, Mohammad Masoud Mirhosseini, Hadi Oliaie

**2- Effect of nanofiller content on the micro-phase separation kinetics of polyurethane nanocomposites**

Mohammad Masoud Mirhosseini, Vahid Haddadi-Asl\*, [Iman Sahebi Jouybari](#), [Mehri Haji](#)

**3- Micro-phase separation kinetics of polyurethane nanocomposites: effect of temperature, preshear and nanofiller**

[Iman Sahebi Jouybari](#), Vahid Haddadi-Asl\*, Mohammad Masoud Mirhosseini, Hadi Oliaie

**4- Study of micro-phase separation of polyurethane nanocomposites above the percolation threshold**

Mohammad Masoud Mirhosseini, Vahid Haddadi-Asl\*, [Iman Sahebi Jouybari](#), [Mehri Haji](#)

**Patent:**

Novel Synthesis Polyurethane ([ongoing](#))