



**Name & Surname:** Seifollah Jamalpour

**Date of Birth:** 21-september-1988

 **Address, Suburb, State, Postcode:** Golestan Avenue, Ahvaz, Iran, Postal Code: 6135783151

 **Phone/Mobile Number:** +989179209234

 **E-mail address:** [Jamalpour@scu.ac.ir](mailto:Jamalpour@scu.ac.ir)/ [S.jamalpour67@gamil.com](mailto:S.jamalpour67@gamil.com)

### **PROFESSIONAL PROFILE:**

---

Assistant Professor of Chemical Engineering in Shahid Chamran University (SCU) of Ahvaz.

### **EDUCATION BACKGROUND:**

---

**Post doc:** Polymer Engineering (2019-2021), Amirkabir University of technology (Tehran Polytechnic), Tehran, Iran

**Thesis title:** “Fabrication of a novel porous gel polymer electrolyte based on Poly(vinylidene fluoride) nanocomposite containing of Poly(methyl methacrylate) grafted SiO<sub>2</sub> nanoparticles for lithium ion battery application”.

**Ph.D.:** Polymer Engineering (2013-2018), Amirkabir University of technology (Tehran Polytechnic), Tehran, Iran

**Thesis title:** “Investigation of Microcellular Foaming of Ureido-pyrimidinone Based Supramolecular Polymer via Solid-State method”.

**M.Sc.:** Polymer Engineering (2010-2012), Amirkabir University of technology (Tehran Polytechnic), Tehran, Iran

**Thesis title:** “Investigation of crystallization in self-reinforced polypropylene composites with nanoclay and the effect of their microcellular structure on crystallization”.

**B.Sc.:** Polymer Engineering (2006-2010), University of Shiraz unite, Shiraz, Iran.

**Thesis title:** “Study of nanocomposites Membranes for gas separation”.

## **TEACHING AND TRAINING EXPERIENCE:**

---

- Teaching of courses including Heat transfer 1 & 2, Mass & Energy Balance, Chemistry and kinetics of polymerization and Numerical calculations in Shaid Chamran University (2020/09/10 until now)
- Teaching of courses including fibers engineering and Physics and Chemistry of Polymer laboratory in Tehran University (2018/01/21 until 2018/06/22)
- Teaching of courses including Physics and Chemistry of Polymer, Thermodynamics, Physics and Chemistry of Polymer laboratory and Process Control laboratory in Azad university of Shiraz (2013/01/21 until 2013/06/22)

## **HONOURS AND AWARDS:**

---

- Ranked 13st in “nationwide university entrance exam of M.Sc.” in 2010.
- Ranked 17st in “nationwide university entrance exam of Ph.D” in 2013.
- First rank among undergraduate graduates.

## **INTERESTS AND RESEACH FIELDS:**

---

- Polymer Electrolytes for lithium ion battery application
- Polymerization and Modification of polymers
- Nanocomposites
- Polymeric foams
- Polymeric membranes

## **RESEARCH ACTIVITIES:**

---

## **JOURNAL PUBLICATIONS:**

### **Journal of Polymer, 2021**

Improved performance of lithium ion battery by the incorporation of novel synthesized organic-inorganic hybrid nanoparticles SiO<sub>2</sub>-poly(methyl methacrylate-co-ureidopyrimidinone) in gel polymer electrolyte based on poly (vinylidene fluoride)

**Seifollah Jamalpour**, Maral Ghahramani, Seyed Reza Ghaffarian, Mehran Javanbakht

### **Journal of Supercritical Fluids, 2021**

LDPE/MWCNT and LDPE/MWCNT/UHMWPE self-reinforced fiber-composite foams prepared via supercritical CO<sub>2</sub>: a microstructure-engineering property perspective

Mohammad Aghvami-Panah, Mahyar Panahi-Sarmad, Amir Abbas Seraji, **Seifollah Jamalpour**, Seyed Reza Ghaffarian, Chul B. Park

### **Journal of SPE Polymers, 2021**

Microwave-assisted foaming of polystyrene filled with carbon black; effect of filler content on foamability

Mohammad Aghvami-Panah, **Seifollah Jamalpour**, S. Reza Ghaffarian

### **Journal of Polymer, 2020**

The effect of poly(hydroxyl ethyl methacrylate) on the performance of PVDF/P(MMA-co-HEMA) hybrid gel polymer electrolytes for lithium ion battery application

**Seifollah Jamalpour**, Maral Ghahramani, Seyed Reza Ghaffarian, Mehran Javanbakht

### **Journal of Thermochemica Acta, 2018**

Thermal and Viscoelastic Properties of Entangled Supramolecular Polymer Networks as a Powerful Tool for Prediction of Their Microstructure

Amir Jangizehia, S. Reza Ghaffarian, Goolia Nikravana, **Seifollah Jamalpour**

### **Journal of Polymer International, 2018**

Effect of Matrix-Nanoparticle Supramolecular Interactions on Morphology and Mechanical Properties of Polymer Foams

**Seifollah Jamalpour**, Seyed Reza Ghaffarian, Amir Jangizehi

### **Journal of Polymer Composites, 2017**

Effect of nanosize CaCO<sub>3</sub> and nanoclay on morphology and properties of linear PP/branched PP blend foams

Narges Mohammad Mehdipour, Hamid Garmabi, **Seifollah Jamalpour**

### **Journal of Polymers for Advanced Technologies, 2017**

Using Supramolecular Associations to Create Stable Cellular Structures in Amorphous Soft Polymers

**Seifollah Jamalpour**, Seyed Reza Ghaffarian, Hadi Goldansaz

### **Journal of Polymer Composites, 2017**

Improving microcellular foamability of amorphous supramolecular polymers via functionalized nanosilica particles

**Seifollah Jamalpour**, Seyed R. Ghaffarian, Hadi Goldansaz, Amir Jangizehi

### **Journal of Macromolecular Science, Part B: Physics, 2014**

Investigation of cell structure and expansion ratio of microcellular polypropylene nano-homocomposites prepared by a solid-state process

**Seifollah Jamalpour**, Seyed Reza Ghaffarian

### **BOOK PUBLICATIONS:**

#### **NOVA publisher, 2021**

Understanding Polymer Electrolytes, chapter book, under review

Mahdi Tohidian, Hamideh Kashani, Yousef Tamsilian\*, **Seifollah Jamalpour**\*, Elmira Abbasi Ghare Tepeh, Ali Qezi

#### **Elsevier publisher, 2021**

pH-Thermoresponsive Hydrogel Treated Fabric for Treating Re-Infected Wounds, chapter book, , under review

M. Shirazi, R. Aali Mohammadi, R. Moaaref, F. Kardani, **S. Jamalpour**\*, Y. Tamsilian\*, A. Kiasat

#### **Elsevier publisher, 2021**

Protective Smart Textiles for Sportswear, under review

R. Aali Mohammadi, M. Shirazi, R. Moaref, **S. Jamalpour**\*, Y. Tamsilian\*, A. Kiasat

#### **Elsevier publisher, 2021**

The Concept of Biomimetics in the Development of Protective Textiles, under review

A. Maghsoudian, S. Alvani, R. Moaaref, **S. Jamalpour**\*, Y. Tamsilian\*, A. Kiasat

#### **NOVA publisher, 2021**

Acrylamide: Exposure, Formation and Health Risks, under review

E. Ahmadi, Y. Tamsilian\*, **S. Jamalpour**\*

### **CONFERENCE PRESENTATIONS:**

#### **ICNN, 2021**

Synthesis of SiO<sub>2</sub>-g-PMMA organic-inorganic hybrid nanoparticle via ATRP for enhancing ionic conductivity of PVDF

**Seifollah Jamalpour**, Maral Ghahramani

**National Congress of Chemical Engineering, 2021**

Study and calculation of the lithium ion diffusion coefficient in the electrode of lithium-ion batteries composed of polyvinylidene fluoride

Taher Gharib Yousefabad, Mani Zendedel Haghighi, Maral Ghahramani, Mehran Javanbakht, **Seifollah Jamalpour**

**National Seminar on Polymer, 2021**

Study of the feasibility of using recycled polyethylene materials in the preparation of sewage corrugated pipes

Alireza Sharif, **Seifollah Jamalpour**, Alireza Sahaf

**National Seminar on Polymer, 2021**

Investigation of the Effect of Solvent and Poly(ethylene glycol) on the Morphology of Poly(vinylidene fluoride) Membrane

Maral Ghahramani, Mani Zendedel Haghighi, Taher Gharib Yousefabad, **Seifollah Jamalpour**

**ISPST, 2020**

Effect of organic-inorganic hybrid nanoparticles for improving the electrochemical performance of PVDF as a gel polymer electrolyte for lithium ion batteries

**Seifollah Jamalpour**, Maral Ghahramani, Seyed Reza Ghaffarian, Mehran Javanbakht

**Agricultural and Environmental Development, 2019**

Novel Flame Retardant HDPE Corrugated Pipes as a Riser Protector in Agriculture

**Seifollah Jamalpour**, Roxana Moaref, Mohammad Sayadan

**ICNN, 2016**

Effect of nanoclay on microcellular foaming of self-reinforced polypropylene

**Seifollah Jamalpour**, Seyed Reza Ghaffarian, Iraj Amiri Amraei

**ISPST, 2016**

Fabrication of hybrid composite including self-reinforced polypropylene and nanoclay

**Seifollah Jamalpour**, Seyed Reza Ghaffarian

**International conference chemistry & Chemical engineering, 2016**

Investigation of new thin-film of nanocomposite membranes for using in desalination and water purification

Seyed Ali Alavi, Maral Ghahramani, **Seifollah Jamalpour**, Amir hossein Haghighi

**ISPST, 2012**

Influence of polypropylene fiber and nanoclay on the morphologies of random propylene-ethylene copolymer

**Seifollah Jamalpour**, Seyed Reza Ghaffarian, Seyed Tohid Ghaznavi

**ISPST, 2012**

Effect of temperature on morphology of the random propylene-ethylene copolymer composite with Nanoclay and polypropylene fiber

Seyed Tohid Ghaznavi, Seyed Reza Ghaffarian, **Seifollah Jamalpour** at

#### **RESEARCH PROJECTS:**

- Preparation of polyethylene compounds containing retardant mineral additives to increase the Resistance of the corrugate pipes used as a protector for automatic valves.
- The project of "Effect of Nanoparticles on Physical Mechanical Properties of Epoxy Resins" at Malek Ashtar University as the Project Task Elite.

#### **PROFESSIONAL MEMBERSHIPS:**

---

- A member of Scientific Committee of the Olympiad in Shahid Chamran University 1399 until now.
- A member of Futures Research Committee in Shahid Chamran University 1399 until now.
- Chairman of the Committee of Rubber, vulcanized — Determination of tension fatigue ISO 6943-2017.
- Chairman of the Committee of Standard Practice for Determination of Gels (Fisheyes) In General-Purpose Poly(Vinyl Chloride) (PVC) Resins, D3596 –19
- Chairman of the Committee of Rubber, vulcanized or thermoplastic — Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load, ISO 2285.
- Chairman of the Committee of Rubber, vulcanized or thermoplastic — Determination of stress relaxation in compression — Part 1: Testing at constant temperature, ISO 3384-1-2019.
- Chairman of the Committee of Rubber, vulcanized or thermoplastic — Determination of stress relaxation in compression — Part 2: Testing with temperature cycling, ISO 3384-2-2019.
- Chairman of the Committee of Standard Test Methods for Carbon Black—Sulfur Content, D1619-16a.
- A member of the Standards Committee of corrugate pipe (INSO 9116-3).

- A member of the Standards Committee of Standard of field test of leakage polyethylene pipes using hydrostatic pressure (ASTM F2164-13) and the standard of pipes Resistant against fire.
- Member of quality control managers in Alborz Province.
- Member of the elite National Foundation since 2014.
- Member of the Society of Polymer Engineering of Polymer and Petrochemical Institute (2009-2011).

**LANGUAGES:**

---

Persian (native)

English (medium)