



Name & Surname: Seifollah Jamalpour

Date of Birth: 21-september-1988

 **Address, Suburb, State, Postcode:**

Golestan Avenue, Ahvaz, Iran, Postal Code: 6135783151

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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 SiO₂ 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

RESARCH ACTIVITIES:

JOURNAL PUBLICATIONS:

Journal of Polymer, 2021

Improved performance of lithium ion battery by the incorporation of novel synthesized organic-inorganic hybrid nanoparticles SiO₂-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 CO₂: 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 Ghaffariana, 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 CaCO₃ 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 SiO₂-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 Gharamani, **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**

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:

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- 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)