

Faculty of Chemical Engineering
Department of Polymer engineering

Mohammad Hossein Navid Famili
Associate Professor

Department of Polymer Engineering, Faculty of Chemical Engineering, Tarbiat Modares University,
P.O. Box: 14115/114, Tehran, Iran, Tel: +982182883510, Email: nfamili@modares.ac.ir



Education

BSc.: Mechanical Engineering, The University of Akron, Akron, Ohio,

MSc: Mechanical Engineering, The University of Akron, Akron, Ohio,

PhD: Polymer Engineering, The University of Akron, Akron, Ohio

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Research interests

Polymer Processing
Foaming Process

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Courses taught

Polymer Processing (Graduate Course)
Continuum Mechanics (Graduate Course)

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Selected Publications

The effect of pressurized and fast stabilization on one step batch foaming process for the investigation of cell structure formation, MMM Shirvan, MHN Famili, MS Alkuh, A Golbang, The Journal of Supercritical Fluids 112, 143-152, 2016.

The relationship between electromagnetic absorption properties and cell structure of poly (methyl methacrylate)/multi-walled carbon nanotube composite foams, MS Alkuh, MHN Famili, MMM Shirvan, MH Moeini, Materials & Design 100, 73-83, 2016.

The Effect of Foaming Process on the Radar Absorbing Properties of PMMA/MWCNT Composites, MS Alkuh, MHN Famili, MH Moeini, Science and Technology 28 (3), 189-195, 2015.

Highly nanofilled polystyrene composite Thermal and dynamic behavior, H Kourki, MHN Famili, M Mortezaei, M Malekipirbazari, MN Disfani, Journal of Elastomers and Plastics, 2015.

Prediction of the viscoelastic response of filler network in highly nanofilled polymer composites, H Kourki, M Mortezaei, MHN Famili, Journal of Composite Materials, 2015.

Filler networking in the highly nanofilled system, H Kourki, M Mortezaei, MHN Famili, Journal of Thermoplastic Composite Materials, 2014.

Preparation of synthesized sulfide polymer through phase-transfer catalyzed polycondensation of ethylene dibromide and sodium tetrasulfide: characterization, thermal and rheological properties, M Kalaei, H Mahdavi, MHN Famili, Journal of Sulfur Chemistry 35 (4), 373-381, 2014.

Design, construction, and evaluation of a modified rolling pendulum to measure energy dissipation in rubber, A Samadi, MR Kashani, MHN Famili, Polymer Testing 35, 56-61, 2014 .

Preparation of polyvinylchloride membranes from solvent mixture by immersion precipitation, Z Maghsoud, MHN Famili, SS Madaeni, Journal of Applied Polymer Science 131 (8), 2014.

Open-celled microcellular foaming and the formation of cellular structure by a theoretical pattern in polystyrene, M Enayati, MHN Famili, H Janani, Iranian Polymer Journal 22 (6), 417-428, 2013.

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Membership

Iran Polymer Society

Iran Chemistry & Chemical Engineering Society