Faculty of Chemical Engineering
Department of Polymer engineering

Nadereh Golshan Ebrahimi
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Department of Polymer Engineering, Faculty of Chemical Engineering, Tarbiat Modares University,
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Education

BSc.: Chemical Engineering, Amirkabir University of Technology (AUT),

MSc: Polymer Engineering, Amirkabir University of Technology (AUT),

PhD: Chemical Engineering, Kyoto University (Japan)

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Research interests

Polymer Rheology, Shape Memory Polymers

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Courses taught

Rheology of Polymers (Graduate Course)
Advanced Rheology of Polymers (Graduate Course)

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Selected Publications

Mahdi Abbasi, Nadereh Golshan Ebrahimi, Mahdi Nadali, Masood Khabazian Esfahani, “Elongational viscosity of LDPE with various structures: employing a new evolution equation in MSF theory”, Rheol Acta, 51: 163-177, 2012.

H. Ebrahimi Farimani, N. Golshan Ebrahimi, “Morphology and Electrical Properties of Carbon Black/Poly(ethylene Terephthalate)/Polypropylene Composite” Journal of Applied Polymer Science, Vol. 124, 4598–4605, 2012.

F. Mostafavi, N. Golshan Ebrahimi,”Physical Characterization and Rheological Behavior of Polyurethane/Poly(ε-caprolactone) Blends, Prepared by Solution Blending Using Dimethylacetamide”, Journal of Applied Polymer Science, Vol. 125, 4091–4099, 2012.

Mahdi Abbasi, Nadereh Golshan Ebrahimi, Mahdi, Manfred Wilhelm, Investigation of the rheological behavior of industrial tubular and autoclave LDPEs under SAOS, LAOS, transient, shear, and elongational flows compared with predictions from the MSF theory” J. Rheol. 57(6), 1693-1714 November/December (2013).

Yasmine Mosleh, Nadereh Golshan Ebrahimi, Alireza Mahdavian , Mohsen Ashjari, "An Investigation on Thermal, Dynamic-Mechanical, Rheological and Electrical Properties of TPU/PCL/nanomagnetite Ternary Shape Memory Composites" Iranian Polymer Journal, DOI 10.1007/s13726-013-0209-4, 2014.

TPU/PCL/nanomagnetite ternary shape memory composites: Studies on their thermal, dynamic-mechanical, rheological and electrical properties, Mosleh, Y., Ebrahimi, N.G., Mahdavian, A., Ashjari, M., Iranian Polymer Journal (English Edition), 2014.

The effect of molecular structure on rheological behavior of tubular LDPEs, Khabazian Esfahani, M., Ebrahimi, N.G., Khoshbakhti, E., Rheologica Acta, 2014.

Preparation and rheology characterization of branched polypropylene during reactive extrusion process, Mohebbi, K., Ebrahimi, N.G., Iranian Polymer Journal, 2015.

Self-healing property of epoxy/nanoclay nanocomposite using poly(ethylene-co-methacrylic acid) agent, Asadi, J., Golshan Ebrahimi, N., Razzaghi-Kashani, M., Composites Part A: Applied Science and Manufacturing, 2015.

Relationship Between the Microstructure and Gas Transport Properties of Polyurethane/Polycaprolactone Blends, M Shahzamani, NG Ebrahimi, M Sadeghi, F Mostafavi, Iranian Journal of Chemical Engineering 13 (3), 79.

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Membership

Iran Polymer Society
Iran Chemistry & Chemical Engineering Society