



**Dr. Mahdi Abbasi**

Postdoctoral fellow with Humboldt Fellowship

Karlsruhe Institute of Technology (KIT)  
Institute of Chemical Technology and Polymer Chemistry  
Karlsruhe, Germany

**Biography:**

Dr. Mahdi Abbasi received PhD Degree in Polymer Engineering at Tarbiat Modares University in Tehran in 2012. In 2015, he awarded a Humboldt fellowship from Alexander von Humboldt Foundation to conduct his research on the topic of “Foaming and rheology of model long chain branched polymers” at Karlsruhe Institute of Technology (KIT) as host institute.

He has 16 years experience in the field of polymer processing specially rheology of polymer melts. His functional experience includes rheological modeling and characterization of long chain branch polymers using molecular constitutive equations which have included engineering polymers e.g. PE, PP and PS, as well as model polymer systems e.g. anionic synthesized polystyrenes with controlled molecular architecture from linear to comb and bottlebrush structures.

His employment history is as follows:

**Karlsruhe Institute of Technology**, Karlsruhe, Germany, 2013 to present

Postdoctoral Fellowship from Alexander von Humboldt Foundation with research topic “Foaming and rheology of model long chain branched polymers: An approach to experiment and modeling”.

**University of Isfahan**, Isfahan, Iran, 2012 to 2013,

Assistant Professor at Department of Chemical Engineering

Teaching and research on the field of foaming and rheology of polymeric materials.

**Tarbiat Modares University**, Tehran, Iran, 2004 to 2012

MSc and PhD in Polymer Engineering with research topic on the rheological characterization simulation of long chain branched (LCB) polyethylene.