

Special Issue

Polymer-Clay (Nano)Composites

Message from the Guest Editor

This Special Issue invites original papers and reviews reporting on recent progress in the following areas:

- Techniques for producing uniform and homogeneously dispersed clays in the polymer matrix
- Properties of polymer–clay nanocomposites
- Chemical modifications of clays for improving dispersion and compatibility with polymer matrixes.
- In situ polymerization kinetics
- Polymerization techniques for the synthesis of polymer–clay nanocomposites, including bulk, emulsion, suspension, etc.
- Effect of clay on the crystallization kinetics of the polymer.
- Effect of clay on the thermal degradation kinetics of the polymer.
- Phase behavior of polymer–clay composites
- Different types of polymers employed, from thermoplastics with high and low glass transition temperature, to thermosettings and elastomers.
- Different types of clays used, either natural or organo-modified.
- Modeling the polymerization reaction
- Modeling properties and/or the mechanical behavior of polymer–clay composites
- Antimicrobial activity of polymer–clay nanocomposites.
- Applications of polymer–clay nanocomposites.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2018)



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About the Journal

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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