



## Polymer-Clay (Nano)Composites

Guest Editor:

**Prof. Dr. Dimitris S. Achilias**

Department of Chemistry,  
Aristotle University of  
Thessaloniki, 54124 Thessaloniki,  
Greece

Deadline for manuscript  
submissions:

**closed (20 July 2018)**

### 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.





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## Editor-in-Chief

### **Prof. Dr. Alexander Böker**

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## Message from the Editor-in-Chief

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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.

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*Polymers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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