

Special Issue

Processing of Polymer Composites—Preparation, Structure, Properties and Applications

Message from the Guest Editors

Polymer composites are critical for applications in the automotive, electronics, packaging, and aerospace sectors, among others, thanks to their flexible designability, lightweightness, low cost, and ease of processing when compared with metallic and ceramic counterparts. Processing methods of interest include melt compounding, injection molding, casting, calendaring, foaming, mixing, etc., which have been developed to prepare multifunctional composites to address the demanding needs for the above industrial sectors. Relevant progress in modeling is also within the scope of the topic. This Special Issue is dedicated to providing a forum for the preparation of polymer composites with a particular focus on the state-of-the-art progress, structural design, development, and new trends. keywords:

- processing of polymer composites
- thermal interface materials
- electrical conductivity
- thermal conductivity
- functional fillers
- modification of fillers
- polymer blends
- processing conditions
- thermoplastic composites
- thermoset composites
- foams
- characterization methods
- modeling
- process–structure–properties

Guest Editors

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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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