

Special Issue

Manufacturing of Polymer-Based Materials with Specific Thermal Properties

Message from the Guest Editors

We are pleased to announce a new Special Issue entitled Manufacturing of Polymer-Based Materials with Specific Thermal Properties, focusing on advances in the design, synthesis, and processing of polymer materials with tailored thermal properties. The issue will emphasize strategies to enhance thermal conductivity and stability, as well as passive and active heat management methods. Major topic areas include the following:

- Polymer composites with nanofillers that enable high thermal conductivity (>10 W/m·K);
- Engineering the morphology and chemistry of polymer chains to affect thermal anisotropy;
- Advanced processing techniques which allow for localized variation in the thermal properties of components;
- Modeling and molecular simulations of thermal conductivity in heterogeneous polymer structures;
- Hybrid polymer–metal and polymer–ceramic systems are also covered as they offer a combination of mechanical, electrical, and thermal properties;
- Flame retardancy of polymeric materials using novel flame retardant compositions and elucidating their mechanisms.

Guest Editors

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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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