

Special Issue

Thermal Behavior and Properties of Polymer Composites

Message from the Guest Editors

This Special Issue aims to highlight recent progress in the processing, characterization, and application of polymer composites, with particular emphasis on their thermal behavior, structure–property relationships, and innovative processing technologies. Both fundamental studies and applied research are welcome, including topics such as: Thermal stability, degradation, and phase transitions in polymers and polymer-based composites;

Novel experimental and computational approaches to investigating thermal and mechanical properties; Polymer nanocomposites, hybrid materials, and advanced multifunctional systems;

Recycling, reprocessing, and sustainable development of polymer composites with improved thermal performance;

Advanced applications of thermally modified polymers in engineering, medicine, and energy technologies. The aim of this Special Issue is to provide a platform for presenting new insights into the correlation between the structural and thermal properties of polymers, as well as to encourage the development of innovative and sustainable approaches for tailoring materials with improved performance.

Guest Editors

Dr. Milena Marinović-Cincović

Prof. Dr. Suzana Samaržija-Jovanović

Prof. Dr. Ignazio Blanco

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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 4.9.

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

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

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