

Special Issue

Polymer-Based Composites: Structure, Properties, Applications and Recycling

Message from the Guest Editor

The manufacturing of polymer-based composites is one of the most auspicious ways to broaden the application range of polymer materials, and various fillers can reduce cost, lower the environmental impact and enhance additional properties. Nevertheless, composites' preparation challenges the researchers in many ways, which is attributed to their multi-phase structure. Considering the richness of potential innovations and future developments, we are pleased to launch this Special Issue and invite researchers to contribute their original research papers and review works. Selected example topics include, but are not limited to:

- Innovations in the manufacturing of polymer composites,
- Enhancement of the interfacial interactions in polymer composites,
- Reactive processing and compatibilization of polymer composites
- Structure-property relationships in polymer composites,
- Biodegradation of polymer composites,
- Innovative applications of polymer composites,
- Technological and environmental aspects of polymer composites recycling,
- Assessment of the environmental impacts of polymer composites.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2022)



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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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