

Special Issue

High-Performance Polymer Materials and Fiber-Reinforced Composites for Engineering Applications

Message from the Guest Editor

This Special Issue, entitled “High-Performance Polymer Materials and Fiber-Reinforced Composites for Engineering Applications”, welcomes original research articles and comprehensive reviews. Potential topics include, but are not limited to, the properties, design, and fields of elastic, plastic, and continuum deformations due to the failure of polymer and polymer composites while considering the fatigue, fracturing, and damage mechanics, and full lifecycle of polymeric materials—from synthesis and processing to performance and failure. We will cover new developments in the science and engineering of theoretical, computational, and experimental mechanics. In addition, by fostering interdisciplinary collaboration, we aim to accelerate the development of next-generation polymer systems that meet the evolving demands of modern engineering and environmental stewardship.

Guest Editor

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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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