

Special Issue

Sustainable Polymer Composites: Properties, Characterizations and Applications

Message from the Guest Editors

Biopolymers are of great interest among researchers in the field of polymers due to their intrinsic properties, i.e., biodegradability, biocompatibility, and non-toxicity, which make them ideal body- and environment-friendly materials. However, in some instances, these biopolymers lack functionality, making it necessary to reinforce the natural polymer matrix with inorganic and/or synthetic organic materials that differ in composition or morphology, leading to biopolymer-based composites. The scope of this Special Issue is to address the recent developments and applications of functional biopolymer-based composite materials, including fundamental structure–property relationships, preparation methods (conventional methods, electrospinning, 3D printing), simulation models, and advanced applications in biomedicine, energy, electronics, food, packaging, and environmental sustainability, among others.

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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

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