

Special Issue

Sustainable and Bio-Based Polymers: Design, Processing, and Applications

Message from the Guest Editor

In recent decades, we have witnessed unprecedented growth in the search for sustainable polymeric materials. This class of innovative polymers, derived from renewable resources, can also be engineered for enhanced recyclability or tailored for biodegradability in specific environments. Sustainable and bio-based polymers represent a foundation in the transition toward a greener future, offering tangible solutions to plastic pollution, resource depletion, and the advancement of the circular economy.

In response to the challenges associated with the development of bio-based materials, the scientific and industrial communities have increasingly focused on sustainable polymerisation processes and renewable polymer materials at the forefront of innovation.

To contribute to the field of renewable and sustainable polymers and polymerisation processes, this Special Issue invites contributions addressing bio-based polymers synthesised wholly or partially from biological sources. Innovations in greener polymerisation processes applied to the synthesis of new renewable materials are also welcome.

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 4.9.

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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