

Special Issue

Sustainable Polymers and Composites from Agro-Industrial Waste

Message from the Guest Editor

The sustainable conversion of agricultural (e.g., vegetable residues, straw, husks) and industrial waste (e.g., waste plastics, waste rubber) into value-added polymers and composites offers a promising strategy to reduce environmental pollution and promote resource circularity. Lignocellulosic biomass can be processed into bio-based composites, providing renewable alternatives to petroleum-based materials and helping reduce carbon emissions. Green processing technologies further enable the efficient use of agro-industrial residues as feedstocks, additives, or reinforcements in sustainable polymer systems. These advances foster eco-friendly material development and innovation in sectors like packaging, construction, and energy. With ongoing progress in polymer science, materials engineering, and policy support, industrial adoption of these technologies is expected to accelerate. Bio-based polymers and composites from waste will be key to advancing the global circular economy. Original research articles, reviews, and short communications on sustainable polymers and composites from agro-industrial waste are welcome for submission to this Special Issue.

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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