Special Issue

Recent Advances in Polymer Composites Reinforced with Agro-Industrial Waste Fillers: Processing, Properties, and Functional Applications

Message from the Guest Editor

This Special Issue focuses on the development of polymer composites reinforced with agro-industrial waste-based fillers, sustainable solutions for waste management, and the improvement of materials for engineering applications. Agro-industrial waste, such as cereal husks, seeds, pomaces, fibers, and residues from beverage and food production, represents a rich source of cheap and renewable fillers for polymer composites. Its use reduces raw material costs, reduces dependence on fossil resources, and contributes to the circular economy. Papers in this Special Issue should cover current processing methods, such as extrusion, compression, injection molding, and 3D printing, as well as the characterization of the mechanical, thermal, barrier, and degradation properties of the resulting materials. Special emphasis is placed on packaging, construction, automotive, electronics applications, and environmental impact assessment (e.g., LCA analysis). The aim is to present innovative approaches that combine agricultural and industrial waste with polymers (biopolymers or conventional) to develop functional, economically viable, and environmentally friendly composites.

Guest Editor

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Deadline for manuscript submissions

31 December 2025

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/243014

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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

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