

Special Issue

Advances in Natural Polymers for Sustainable Food Packaging

Message from the Guest Editors

The growing demand for sustainable packaging drives advances in natural polymers to replace non-biodegradable plastics. This Special Issue aims to explore the latest developments in natural polymers, such as polysaccharides, proteins, and lipids, which offer biodegradable and renewable alternatives to synthetic plastics. It highlights innovative approaches and challenges while showcasing advances in the field of sustainable food packaging and promoting the transition toward greener materials in the food industry. Key topics include (I) novel fabrication techniques, (II) material enhancements for improved barrier properties, (III) biodegradability assessments, and (IV) the integration of active and intelligent packaging functionalities. We welcome you to submit an innovative original research or review paper on the formulation, characterization, and performance of natural polymer-based packaging, as well as their potential for commercialization and regulatory considerations, and contribute meaningfully to this Special Issue.

Guest Editors

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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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