

Special Issue

Biodegradable and Biobased Polymers for Sustainable Food Applications

Message from the Guest Editors

We are glad to announce our Special Issue, "Biodegradable and Biobased Polymers for Sustainable Food Applications." This issue aims to highlight advancements in these polymers for the food industry. We invite original research and reviews including but not limited to:

- Packaging Solutions: Innovations in sustainable materials for eco-friendly packaging, enhancing food safety and quality.
- Coatings: Developing biopolymer coatings to preserve food and extend shelf life.
- Sensors: Integrating biodegradable polymers in food quality monitoring.
- Edible Films: Applications of edible films and coatings as alternatives to traditional packaging.
- Sustainable Manufacturing: Eco-friendly methods for polymer synthesis using renewable resources.
- Active Packaging: Advanced solutions to extend shelf life or provide real-time quality information.
- Regulatory and Economic Aspects: Analysis of regulations and economic feasibility of biodegradable polymers in food.

Join us in advancing sustainable food technology. Submit your research to contribute to this discourse.

Guest Editors

Dr. William Facchinatto

Prof. Dr. Fernanda Maria Vanin

Prof. Dr. Luiz Alberto Colnago

Dr. Filipe Habitzreuter

Deadline for manuscript submissions

30 June 2026



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About the Journal

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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