

Special Issue

Functional Polymers for Food Industry

Message from the Guest Editors

The food industry is undergoing a transformative shift towards enhanced safety, sustainability, and functionality, with functional polymers playing a crucial role in this evolution. This Special Issue highlights the innovative applications of functional polymers in food packaging, preservation, and processing. These polymers not only improve the shelf life and safety of food products but also contribute to reducing waste and enhancing nutritional value. Recent advancements in polymer science have led to the development of smart packaging materials, biodegradable films, and bioactive coatings that can respond to environmental changes and actively extend food freshness. This Issue invites original research, reviews, and case studies that explore the synthesis, characterization, and application of functional polymers in the food sector. By fostering interdisciplinary collaboration, we aim to advance the understanding and utilization of these materials, ultimately contributing to a more sustainable and efficient food industry.

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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