

Special Issue

Applications of Biopolymer-Based Composites in Food Technology

Message from the Guest Editors

This Special Issue intends to feature a collection of original research articles and reviews exploring advancements in biopolymer composites that improve shelf life, enhance sensory attributes, and ensure food safety through innovative designs. Key studies need to analyse the addition of natural fillers and bioactive agents to create multifunctional, biodegradable films; encapsulations; or carriers that actively interact with food products. Additionally, this Special Issue addresses the challenges of optimizing mechanical properties and biodegradability, highlighting the need for practical applications within a sustainable food system. By consolidating interdisciplinary insights, this Special Issue aims to guide researchers, industry professionals, and policymakers in fostering sustainable practices in food technology.

Guest Editors

Dr. Gheorghe Martău
Prof. Dr. Monica Ioana Tosa
Prof. Dr. Dan Cristian Vodnar

Deadline for manuscript submissions

closed (30 April 2026)



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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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