

Special Issue

Polymers and Their Interactions with Biotics in Food Science and Nutrition

Message from the Guest Editors

Polymers are increasingly becoming essential in the food science and nutrition sectors, with significant applications ranging from food preservation and packaging to the development of functional foods and nutraceuticals. Understanding how polymers interact with biological systems, such as microorganisms, human cells, and food matrices, is key to advancing innovative solutions in these fields. This Special Issue aims to bring together cutting-edge research that delves into the interaction of polymers—both synthetic and natural—with biotic systems, focusing on their applications in food science, nutrition, and beyond. We welcome submissions that explore these interactions in the context of food safety, quality, functionality, and health benefits.

Polymers in Functional Foods and Nutraceuticals
Polymeric Encapsulation Systems
Polymers in Food Packaging and Preservation
Polymers and Food Waste Valorization
Polymers in Nutrient Delivery and Digestion
Biocompatibility and Safety of Polymers in Food Applications

Guest Editors

Prof. Dr. Pedro Aguilar-Zarate
Prof. Dr. Nuria Elizabeth Rocha-Guzmán
Dr. Ricardo Gómez-García

Deadline for manuscript submissions

closed (30 November 2025)



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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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