

Special Issue

Emerging Technologies for Food Polymers and Colloids: Exploring Their Application in Food Packaging, Novel Foods, and the Delivery of Nutraceuticals

Message from the Guest Editors

Food polymers are an important part of food components or formulations during food processing, comprising, for instance, lipids, polysaccharides, and proteins and/or their complexes with other natural ingredients. In recent years, the potential applications of these polymers have attracted much attention, including but not limited to the following uses:

- Innovative microstructure developments in food packaging enhance stability, extend food shelf-life, and ensure sustainability.
- Food polymers create unique textures, flavours, and nutritional profiles in novel food applications. Examples range from plant-based alternatives to functional foods enriched with specific nutrients, redefining emerging food, cooking techniques, and more.
- Nutrient delivery manipulates interactions between food and its environment. Emerging technologies can facilitate the precise encapsulation and targeted release of bioactive compounds, increasing their efficacy and absorption.

In this Special Issue of *Foods*, we invite submissions focusing on all aspects of food polymers within the food industry and related fields.

Guest Editors

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Deadline for manuscript submissions

closed (10 April 2026)



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About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

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