

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

Dr. Yiguo Zhao

Dr. Simin Feng

Dr. Yang Wei

Deadline for manuscript submissions

31 August 2025



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/229865

Foods
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
foods@mdpi.com

[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)





Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)



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

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).