

## Special Issue

# Application of Food Hydrocolloids for Hydrogels and Packaging

### Message from the Guest Editors

Food hydrocolloids, such as polysaccharides and proteins, have received great interest due to their edibility, sustainability, biodegradability, and biocompatibility. The use of hydrogels as delivery carriers of additives and nutrients has attracted much attention from researchers.

In this Special Issue, we encourage the submission of research, short communications, or review articles providing state-of-the-art knowledge on hydrocolloid-based hydrogels or packagings. Research areas may include (but are not limited to) the following: design and characterization of polysaccharide or protein-based hydrogels; encapsulation and delivery of additives or bioactive substances; changes in the structure of the gels and related release during storage and digestion; as well as the potential applications in food packaging, smart packaging and intelligent packaging. Articles representing results of the characterization of food hydrocolloids that have potential as food packaging are also welcome. Moreover, work on the shelf life of packaged food products, storage physicochemical stability during shelf life, and sensory changes during food storage will also be well received.

### Guest Editors

Dr. Fei Liu

Dr. Bao Zhang

Dr. Long Chen

Dr. Maoshen Chen

### Deadline for manuscript submissions

closed (30 April 2024)



## Foods

an Open Access Journal  
by MDPI

Impact Factor 6.0  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/147934](https://mdpi.com/si/147934)

*Foods*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

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





# Foods

an Open Access Journal  
by MDPI

Impact Factor 6.0  
CiteScore 10.3  
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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).