

## Special Issue

# Biotechnology in Food Processing: Generation and Utilization of Functional Sugars

### Message from the Guest Editors

Functional sugars, a class of bioactive compounds, have emerged as crucial contributors to human health and well-being. This comprehensive collection aims to provide an in-depth analysis of current advancements, challenges, and future directions in the bioproduction of functional sugars, while also examining their expanding roles in the food and pharmaceutical industries.

We invite contributions addressing, but not limited to, the following research areas:

- Innovative approaches in biosynthesis and biocatalysis for functional sugar production;
- Application of synthetic biology approaches for optimized biosynthesis of functional sugars in engineered microbial cell factories;
- Development of high-performance functional sugar-producing strains through high-throughput screening technologies;
- Utilization of functional sugars in food and pharmaceutical industries;
- Enzyme engineering strategies for enhanced bioproduction of functional sugars.

---

### Guest Editors

Dr. Qian Ma

College of Biotechnology, Tianjin University of Science and Technology, Tianjin 300457, China

Prof. Dr. Yanfeng Liu

School of Biotechnology, Jiangnan University; Wuxi 214122, China

---

### Deadline for manuscript submissions

closed (20 March 2026)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/232007](https://mdpi.com/si/232007)

*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 5.1  
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).