

Special Issue

Food Polysaccharides and Oligosaccharides: Enzyme Treatment, Structural Analysis, and Functional Bioactivity Value

Message from the Guest Editors

Food oligosaccharides, a class of carbohydrates composed of a small number of monosaccharide units, have raised significant attention due to their diverse functional properties and potential health benefits. This Special Issue is designated to explore the multifaceted nature of food oligosaccharides, focusing on enzyme treatment, structural analysis, and their bioactivity. Recent studies have demonstrated that enzyme-treated oligosaccharides can significantly enhance functional properties, such as solubility, sweetness, stability, and functionality, making them suitable for various applications. Structural analysis has revealed intricate details about oligosaccharide glycosidic linkages and their impact on biological activity. Functional bioactivity studies have highlighted the role of oligosaccharides in modulating gut microbiota and enhancing the overall host physiological state, which is critical for developing functional foods aimed at improving health outcomes.

Guest Editors

Prof. Dr. Zhengqiang Jiang

Department of Nutrition and Health, College of Food Science and Nutritional Engineering, China Agricultural University, Beijing 100083, China

Dr. Dong Han

College of Food Science and Nutritional Engineering, China Agricultural University, Beijing 100083, China

Deadline for manuscript submissions

closed (30 September 2025)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/207516

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 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).