



foods



an Open Access Journal by MDPI

Research Advances of Modification and Nutraceutical Properties of Polysaccharide

Guest Editors:

Prof. Dr. Shuang Song

School of Food Science and Technology, Dalian Polytechnic University, Dalian 116034, China

Dr. Chunqing Ai

School of Food Science and Technology, National Engineering Research Center of Seafood, Dalian Polytechnic University, Dalian 116034, China

Deadline for manuscript submissions:

closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

As a group of important biopolymers, polysaccharides exist widely in living organisms and play many known and unknown biological roles in life activities via different pathways. A growing understanding and deeper investigation of polysaccharides are driving the development of natural polysaccharides for novel applications, especially for the treatment of chronic diseases, e.g., obesity and diabetes. In recent years, the gut microbiota has been considered an important organ and plays a critical role in host health and diseases, and emerging evidence indicates that dietary polysaccharides are effective for the modulation of gut microbiota. Notably, the nutraceutical properties of polysaccharides are dependent on their chemical structures and chain conformations, and thus, the structural identification of polysaccharides and their derivatives is helpful for their development and application in the food and pharmaceutical fields.



mdpi.com/si/101879

Special Issue



foods



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)