

Special Issue

Advancing Research on Quality and Nutrition in Cereals and Cereal-Based Foods

Message from the Guest Editors

This Special Issue aims to highlight cutting-edge innovations, methodologies, and interdisciplinary approaches to addressing challenges and opportunities in cereal science. Although cereals form the cornerstone of global food systems, emerging technologies, climate change, and evolving nutritional and quality demands necessitate transformative research. We invite original research articles, reviews, and short communications that explore novel strategies to enhance the quality, safety, and nutritional value of cereals and their derived products.

- Cereal composition and functionality, and starch/protein modifications and digestibility;
- Impacts of abiotic/biotic environmental stressors on the nutritional value and quality of staple cereals, and post-harvest environmental impacts on cereal quality during storage;
- Processing innovations, and the impact of processing on nutrient retention and bioavailability;
- Nutritional enhancement
- Rapid detection methods for quality control and the applications of AI in predictive modeling;
- The role of cereals in managing metabolic syndromes and their interactions with gut microbiota.

Guest Editors

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Dr. Chunfang Zhao

Deadline for manuscript submissions

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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

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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).