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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Deadline for manuscript submissions

30 January 2026

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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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(Health Professions (miscellaneous))

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
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days (median values for papers published in this journal in
the first half of 2025).