

Special Issue

Plant-Derived Prebiotics and Their Role in Gut Health

Message from the Guest Editors

This issue invites cutting-edge advances in the discovery, structural elucidation, and mechanistic understanding of plant-based prebiotic compounds. We welcome original research, reviews, and short communications on the following topics:

- Novel oligosaccharides, polysaccharides, polyphenols, and other plant-based components with prebiotic properties.
- Multi-omics insights into microbial fermentation kinetics, SCFA profiles, mucosal barrier reinforcement, and host immune crosstalk.
- Robust in vitro, ex vivo, and in vivo models evaluating physiological outcomes relevant to obesity, diabetes, IBD, and neuro-inflammation.

This issue also encourages submissions on next-generation prebiotics, synergistic effects with probiotics, and sustainable strategies for prebiotic extraction and utilization. We seek to provide a platform highlighting scientific and practical insights into plant prebiotics for improving gut and overall health.

Guest Editors

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).