

Special Issue

Uncovering the Impacts of Food Processing Techniques on Microbial Communities and Their Metabolic Interactions

Message from the Guest Editors

Microorganisms play pivotal roles in determining food quality, safety, and nutritional profile, while processing techniques significantly shape these microbial communities and their metabolic interactions. This Special Issue aims to bring together original research articles and reviews that delve into the intricate relationships between processing methods, microbial ecology, and food characteristics. This Special Issue invites researchers to submit original research articles or reviews related to the following:

- Metagenomic Insights into Microbial Metabolism During Food Processing;
- Fermentation Processes and Microbial Metabolism;
- Microbial Metabolites and Food Quality;
- Impact of Thermal Processing on Microbial Diversity and Metabolism;
- Non-Thermal Processing Techniques and Their Effects on Microbial Ecology;
- Modulation of Microbial Interactions by Food Additives and Preservatives;
- Impact of Emerging Technologies on Microbial Communities in Novel Food Systems;
- Interplay Between Microbial Communities and Food Matrix Components;
- Microbial Spoilage Mechanisms in Processed Foods.

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).