

Special Issue

Multi-Omics Insights into Traditional Fermented Foods: Microbial Ecology, Metabolite Profiles, and Functional Applications

Message from the Guest Editors

This Special Issue welcomes original research articles and comprehensive reviews applying multi-omics approaches to investigate microbial diversity, metabolic pathways, and interspecies interactions in traditional fermented foods. Submissions focusing on translational applications—such as the development of postbiotics, functional food ingredients, and feed additives (e.g., probiotics or antibiotic alternatives)—are particularly welcome. Studies on process optimization, microbial strain improvement, or the industrial application of omics data are also highly valued.

By integrating traditional fermentation knowledge with modern systems biology, this Special Issue aims to promote innovation in food science, health, and agricultural biotechnology. Interdisciplinary contributions linking fermented food microbiomes with global health, sustainable food systems, and microbiome-based solutions are welcome.

Guest Editors

Dr. Chia-Wen Hsieh

Dr. Lan-Szu Chou

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Dr. Brian Bor-Chun Weng

Deadline for manuscript submissions

closed (30 April 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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