

Special Issue

Emerging Trends in Food Microbiology and Food Safety

Message from the Guest Editor

With rapid changes in the global food system—driven by climate change, globalization, novel food products, and evolving consumer preferences—the process of ensuring microbial safety and food quality has become more complex and critical than ever. This Special Issue seeks original research articles, reviews, and case studies that address recent advances, novel technologies, and interdisciplinary approaches in the field. We welcome contributions on topics including, but not limited to, the following:

- Rapid detection technologies (e.g., biosensors, CRISPR-based tools, NGS);
- Omics-based insights into microbial ecology and foodborne pathogens;
- Natural and sustainable antimicrobial agents;
- Microbiome impacts on food quality and fermentation;
- Antimicrobial resistance (AMR) and One Health strategies;
- Microbial safety in emerging food sectors (e.g., plant-based, insect-based, RTE foods).

Submissions should provide novel insights or practical applications that contribute to improving food safety, protecting public health, and supporting sustainable food systems.

Guest Editor

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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).