

Special Issue

Monitoring Microbial Contamination Along the Food Chain: New Opportunities Enabled by Molecular Methods

Message from the Guest Editors

This Special Issue addresses the state of food safety monitoring systems for bacterial hazards, putting a focus on how molecular methods can improve classical ones. We welcome both original research and review articles on topics including, but not limited to, the following:

- Novel methods for pathogen detection;
- Prevalence and contamination levels of bacterial pathogens in foods;
- Source tracking using molecular microbiology methods;
- Analysis of pathogen persistence in food production environments;
- Development of targeted interventions from biological markers;
- Use of Machine Learning and AI to exploit monitoring data;
- Integration of “omic” methods into risk assessment and risk management;
- Resistome profiling for antimicrobial resistance monitoring in food systems;
- Food microbiome and its relation to food safety assessment.

Guest Editors

Dr. Alberto Garre
Dr. Pilar Truchado
Dr. Angelica Godinez

Deadline for manuscript submissions

closed (31 October 2025)



Foods

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Impact Factor 6.0
CiteScore 10.3
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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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).