

Special Issue

Novel Approaches for Controlling and Analyzing Microorganisms in Foods: 2nd Edition

Message from the Guest Editors

Food safety remains a growing global concern. As food supply chains become more complex, challenges related to microbial contamination and emerging pathogens increase. Ensuring food safety and quality requires a deep understanding of microorganisms and their interactions within food ecosystems. This knowledge enables effective preventive measures to eliminate or avoid the transmission or growth of pathogens and spoilage organisms, and can also improve microbial detection and analysis systems. We invite original research and review articles on innovative strategies for microbial control and analysis in foods. Topics of interest include:

- Emerging technologies for detecting microorganisms in the food supply chain
- Innovative approaches to controlling foodborne pathogens and spoilage organisms
- Nano- and biotechnology applications in microbial analysis and control
- Antimicrobial strategies using natural compounds and bioactive substances
- Computational methods for predicting microbial behavior in foods
- Environmental factors affecting microbial growth and survival in food environments
- Challenges and opportunities in food safety and quality assurance

Guest Editors

Prof. Dr. Uelinton Manoel Pinto

Food Research Center, School of Pharmaceutical Sciences, University of Sao Paulo, Sao Paulo, Brazil

Prof. Dr. Aline Dias Paiva

Departamento de Microbiologia, Imunologia e Parasitologia (DMIP), Universidade Federal do Triangulo Mineiro, Uberaba, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
foods@mdpi.com

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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

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2026).