



foods



an Open Access Journal by MDPI

Detection and Control of Food-Borne Pathogens

Guest Editors:

Prof. Antonello Paparella

Department of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo, Via Balzarini 1, 64100 Teramo, Italy

Dr. Francesca Maggio

Department of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo, Via Balzarini 1, 64100 Teramo, Italy

Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

Albeit the progress achieved in food preservation, significant outbreaks due to food-borne pathogens still occur worldwide. On one side, food safety as a public health challenge is correlated with market globalization and an increasing shift from stable foods to fresh convenience foods with extended durability. On the other side, the extensive application of whole-genome sequencing in food control has improved the detection of pathogens, advancing our knowledge of microbial diversity and genome biology. The increasing amount of genomic data, produced both in the research domain and in food control, offers the opportunity to develop food safety strategies based on precision microbiology. Thus, by focusing food preservation on specific microbial targets, future foods are going to benefit from higher food safety standards, with the minimum impact on food quality and price. In this respect, a significant role is going to be played by control methods based on minimal processing, and especially by strategies based on the use of natural preservatives and microbial cultures, compatible with the concept of clean labels.



mdpi.com/si/L77507

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

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

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://www.instagram.com/Foods_MDPI)