Special Issue

Emerging Detection Techniques for Foodborne Pathogens and Related Bacterial Toxins

Message from the Guest Editors

Foodborne diseases pose considerable threats to human health and hinder sustainable economic and social development. More than 250 foodborne illnesses have been identified worldwide, and most of them are caused by foodborne pathogens and related bacterial toxins. The rapid and sensitive detection of foodborne pathogens is essential in controlling food safety. Recently, various emerging strategies and techniques have been developed for monitoring the presence of pathogens and related bacterial toxins in food, thereby accelerating food safety assurance. Compared with traditional analytical methods, these emerging strategies and techniques provide more advantages with respect to the detecting speed, high throughput, sensitivity, robustness, portability, user friendliness, and accessibility. Thus, this Special Issue aims to emphasize the latest developments of these emerging strategies and techniques and their potentials in detecting diverse foodborne pathogens. In short, we hope this Special Issue can help researchers to understand the current status and future improvements in this field.

Guest Editors

Prof. Dr. Yonghua Xiong

State Key Laboratory of Food Science and Technology, Nanchang University, Nanchang 330047, China

Prof. Dr. Xiaolin Huang

State Key Laboratory of Food Science and Technology, Nanchang University, Nanchang 330047, China

Deadline for manuscript submissions

closed (15 October 2022)

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/115819

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

mdpi.com/journal/foods

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/journal/foods

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

Author Benefits

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))

Rapid Publication:

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).