Special Issue

Contamination Monitoring and Analysis Techniques in Food Processing and Safety—Second Edition

Message from the Guest Editor

Ensuring the safety and quality of food products is a fundamental priority in modern food systems. With the growing complexity of food production and supply chains, the need for robust contamination monitoring and accurate analytical techniques has become more urgent than ever. This Special Issue aims to collect original scientific articles and critical reviews focused on a wide range of topics including microbiological and chemical contamination, rapid detection methods, biosensors, spectroscopy, chromatography, molecular techniques, and data-driven analytical approaches such as machine learning in food safety monitoring. In addition, this collection also welcomes contributions focused on food authentication, addressing methods used to verify the origin, composition, and integrity of food products. This Special Issue not only documents the current state of contamination monitoring and food authentication, but also paves the way for future advancements aimed at creating safer, more transparent food systems.

Guest Editor

Dr. María José Cardador

Department of Analytical Chemistry, Chemical Institute for Energy and the Environment (IQUEMA), International Agrifood Campus of Excellence (ceiA3), University of Córdoba, Campus de Rabanales, 14071 Córdoba, Spain

Deadline for manuscript submissions

30 December 2025

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).