Special Issue

Advanced Analysis Methods for Food Safety, Authenticity and Traceability Assessment

Message from the Guest Editor

Food safety, authenticity, and traceability are important issues for producers and consumers, as well as for public health and food safety authorities. Thus, there is a need to enforce standards and effective analytical techniques in order to provide decisive assessment of a food's safety, traceability, quality, and authenticity. Advanced analysis techniques (DNA-based, biomarkers, isotope labeling, liquid chromatography technique coupled with mass spectrometry, near-infrared technology, NMR spectroscopy, metabolomics, proteomics, etc.) present an opportunity to assess the safety risks deriving from pathogens and from the undeclared introduction of any food ingredient that might be harmful to human health, as well as to prevent food fraud for authentication, certification, and traceability purposes, protecting consumers against misleading information and promoting fair trade. The aim of this Special Issue, therefore, is to gather original research papers and review articles focused on the development and application of advanced and emerging analysis analytical approaches in order to design innovative food safety management systems.

Guest Editor

Prof. Dr. Angela Di Pinto
Department of Veterinary Medicine, Food Safety Section, University of Bari Aldo Moro, 70010 Valenzano, Bari, Italy

Deadline for manuscript submissions

closed (30 June 2021)

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/51436

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).