

Special Issue

Rapid Detection of Chemical Hazards in Food: Monitoring, Risk Assessment and Risk Mitigation Measures

Message from the Guest Editors

The increase in chemical hazards, including emerging natural contaminants and veterinary drug and pesticide residues, is prompting the development of new technologies and platforms for their rapid and reliable detection. Validation studies are of the utmost importance in guaranteeing the fitness for purpose of the developed approaches. Once validated, these technologies can provide real-time data to support exposure and risk assessment studies, as well as data collection for industry self-monitoring and official control. Furthermore, they play a crucial role in risk mitigation strategies, enabling the identification, assessment, and management of potential food safety risks and allowing timely interventions and effective control measures, thus safeguarding society and industries. Our aim for this Special Issue is to collect original research and review papers on the development, validation, and application of methodologies to monitor, assess, and mitigate foodborne risks and guarantee the safety of food and feed along the supply chain.

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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.

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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).