

Special Issue

Advanced Analytical Methods for Food Safety and Composition Analysis

Message from the Guest Editors

Ensuring food safety and accurately determining food composition are critical for public health, regulatory compliance, and quality control in the food industry. The complexity of food matrices, the presence of various contaminants (both known and emerging), and the need to precisely determine nutritional and bioactive components pose challenges to traditional analytical techniques. This Special Issue aims to gather the latest research on innovative analytical methods for accurately determining food composition and assessing food safety. We invite anyone working in related areas to contribute with a study, communication, or review article. Potential Topics include the following:

- Next-generation spectroscopic techniques;
- High-resolution mass spectrometry (HRMS);
- Biosensors and nanotechnology-based detection;
- Advanced chromatographic methods;
- Omics approaches;
- Emerging contaminants analysis;
- Standardization and validation of novel analytical methods;
- Sustainable and green analytical chemistry;
- Advanced molecular imprinting technology (MIT);
- Advanced chemosensors and fluorescence probes.

Guest Editors

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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.

Editor-in-Chief

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