



foods



an Open Access Journal by MDPI

Current Research Utilizing Mass Spectrometry and Chromatography in Food Analysis

Guest Editors:

Dr. Marina Russo

Department of Chemistry
Biological Pharmaceutical and
Environmental Sciences,
University of Messina, Viale
Annunziata, 98168 Messina, Italy

Dr. Katia Arena

Department of Chemistry
Biological Pharmaceutical and
Environmental Sciences,
University of Messina, Viale
Annunziata, 98168 Messina, Italy

Deadline for manuscript
submissions:

closed (10 May 2024)

Message from the Guest Editors

Dear Colleagues,

Food analysis, both for quality and product control purposes as well as for scientific research, is one of the aspects that affects each of us, even indirectly. Analytical tools such as mass spectrometry and chromatography are the most applied techniques for food analysis, allowing us to obtain information on the composition of nutrients and identify contamination to guarantee consumer health and ensure compliance with food production laws.

The evolution and development of modern and advanced hyphenated and non-hyphenated analytical techniques, such as liquid and gas chromatography or direct infusion mass spectrometry, have led to obtaining even more detailed and precise information for in-depth knowledge of foods. Using these techniques, it could be possible to obtain a large amount of information that needs to be evaluated. In this regard, the application of chemometric techniques can also be a further aid in the study of complex samples such as food.

This Special Issue is collecting contributions related to the development of mass spectrometry and chromatographic analytical techniques in foods. Both original works and reviews are welcome.



mdpi.com/si/169652

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg,** and **other databases.**

Journal Rank: JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)