



*foods*



an Open Access Journal by MDPI

## Application of LC-MS/MS in Food Analysis and Quality Control

Guest Editors:

**Prof. Dr. José Bernal del Nozal**

I.U. CINQUIMA, Analytical Chemistry Group, Faculty of Sciences, University of Valladolid, 47011 Valladolid, Spain

**Prof. Dr. Ana M. Ares**

I.U. CINQUIMA, Analytical Chemistry Group, Faculty of Sciences, University of Valladolid, 47011 Valladolid, Spain

Deadline for manuscript submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Liquid chromatography (LC) is probably one of the most used analytical techniques in the separation of individual compounds in foods. It is usually applied in the characterization of bioactive compounds and aroma-related compounds in foods, or in the determination of food contaminants such as pesticides, veterinary drugs or antibiotics. In the last years, its coupling with tandem mass spectrometry (MS/MS) has increasingly been used for Food Analysis and Quality Control. This is probably due to the high performance in terms of sensitivity, selectivity, and flexibility, which is quite important when addressing various issues concerning food safety. In addition, food contains a wide variety of nutritional components, whose determination is of great importance in order to increase and demonstrate the nutritional value of these products.

This Special Issue is a unique opportunity to gather state-of-the-art of LC-MS/MS-based methods to control the safety and bioactivity of foods, as well as their quality control. Therefore, papers dealing with both the LC-MS/MS method development and with their application on food analysis and quality control, will be welcome.



[mdpi.com/si/100405](https://mdpi.com/si/100405)

**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](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
[X@Foods\\_MDPI](#)