

## Special Issue

# Ultra Performance Liquid Chromatography - Mass Spectrometry: Evaluation and Applications in Food Analysis

### Message from the Guest Editors

The use of ultra-high performance liquid chromatography coupled to mass spectrometry (UHPLC-MS) is increasing as a valid method/platform in food science for assessing food quality, safety, and traceability in a robust, efficient, sensitive, and cost-effective way. The diffusion of UHPLC-MS instruments opened new frontiers and possibilities for scientists to characterize and determine food proteomes and metabolomes, but also for food authentication and pesticide residue analyses. These qualitative and quantitative analyses can also provide insights into food industrial processes as well as the use of adulteration practices, and the presence of food contaminants. In addition, the advent of this analytical equipment coupled to chemometric techniques now offers enormous opportunities to obtain detailed information that can be correlated with various food properties and functionalities, which improve the scope of traditional targeted analysis, providing a new opportunity to investigate hitherto unresolved topics and problems in food science.

### Guest Editors

Prof. Dr. Emilio Marengo

Dr. Elisa Robotti

Dr. Elettra Barberis

### Deadline for manuscript submissions

closed (14 November 2022)



## Foods

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### 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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### Editor-in-Chief

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