Special Issue

Innovative Application of Mass Spectrometry in Food Analysis

Message from the Guest Editors

The multiple aspects of food science stimulate researchers to find new analytical solutions to control the quality of raw materials, process intermediates, or of the final product. What is eaten is of crucial importance due to the nutritional implications as an expression of food fate triggering individual body response. In this context, particular focus is placed on bioactive compounds of various chemical structures extracted from foods for nutraceuticals purposes. In this context, the reuse of industrial wastes has considerable potential to enhance these process by-products in agreement with the current priority outlined by circular economy principles. From an analytical perspective, the protocols for biomolecules extraction are crucial to decrease the matrix complexity, but they need to be coupled with an instrumental apparatus for their detection. The recent progress in mass spectrometry (MS)-based methods offers the opportunity to investigate multiple aspects of food science. The increase of sensitivity and specificity of new-generation MS makes this approach highly versatile to be extended to any food matrices, even for innovative applications.

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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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