

Special Issue

Application of Gas Chromatography/Mass Spectrometry-Based Metabolomics for Food Authentication and Quality Assessment

Message from the Guest Editors

The economically motivated adulteration (EMA) of food and its quality evaluation has been a major issue of global concern due to increasing public awareness on human health. Metabolomics has special advantages in facilitating the understanding of change of small molecule metabolites for foods from different origins, production methods, processing technologies. For that, metabolomic has been widely applied in food science. Gas chromatography-mass spectrometry (GC-MS) is one of the most frequently used instruments in metabolomic analysis because of high reproducibility, stability, and convenient data processing.

In this Special Issue of *Foods*, we encourage the submission of manuscripts focused on all aspects of metabolomics-based food authentication and quality assessment using GC or GC-MS. The topics include, but are not limited to, the following: identification of authenticity and adulteration of food, analysis of food endogenous components including flavors and off-flavors, the influence of food processing and storage on food quality, the sources of contaminants and components in food, the transformation laws of hazard factors in food processing and storage.

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Deadline for manuscript submissions

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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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