Special Issue

Advances in Food Metabolomics for Functional Food Development and Analysis

Message from the Guest Editors

The scope of this Special Issue includes innovative research on food compositional and functional changes during and after processing, as well as the bioactive and nutritional properties of food components such as proteins, fats, carbohydrates, minerals, and phytochemicals. We encourage submissions that explore the identification, quantification, and structural analysis of food metabolites, as well as their bioavailability and health benefits.

Topics of interest include, but are not limited to:

- Identification, structure elucidation, and quantification of food metabolites;
- Nutritive value, bioavailability, and functional food development;
- Application of emerging technologies for metabolite extraction;
- Natural antioxidants and their role in food preservation;
- Food allergens, contaminants, and safety;
- In vitro and in vivo studies on the bioactive functions of food components.

We welcome original research articles, reviews, and short communications that align with this theme. Submissions should focus on the biological roles of metabolites and their applications in functional food development, processing, and analysis.

Guest Editors

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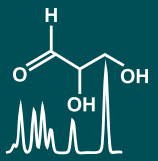

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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