

## Special Issue

# Identification of Secondary Metabolites by Multi-Omics Methods

### Message from the Guest Editors

Plant secondary metabolites (SMs) are widely used as drugs, food supplements, dyes and so on. Although the isolation of individual metabolites from plant material and the application of appropriate biological assays is still a common method to evaluate the function of SMs, the emergence of omics, such as transcriptome and metabolomics, can systematically scan changes in the metabolites in vivo, providing an unbiased view of the biological processes. Therefore, omics is widely used in the active ingredients of traditional herbs, nutrition for crops and functional factors in food. This Special Issue aims to explore applications of metabolomic tools in natural products from plants, herbs or food materials. The submission of manuscripts focusing on new structures (including isolation and structure determination), the functions of natural products, as well as changes in SMs of a crop or herb during growth or post-harvest using metabolomics or metabolomics-based omics is strongly encouraged.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2023)



## Metabolites

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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.

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### Editor-in-Chief

Dr. Amedeo Lonardo

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