

## Special Issue

# Metabolomics in Natural Products

### Message from the Guest Editors

Natural products derived from plants, microorganisms, and animals are a key source of inspiration for the development of new drugs. Plants' secondary metabolites have been used since ancient times for the treatment of several diseases and illnesses. However, understanding the complexity of chemical constituents and the effects, mechanisms of actions, absorption, distribution, metabolism, and excretion (ADME) requires state-of-the-art analytical techniques. Metabolomics is one of the latest omics technologies that has emerged as a pioneering technique in natural product discovery. This Special Issue aims to highlight recent advancements in mass spectrometry and NMR-based metabolomics in natural product chemistry. Specific areas include but are not limited to bioactivity (in vitro and in vivo), multi-omics approaches, food chemistry, pharmacokinetics, agricultural aspects, quality control, method development, and chemical elucidation of natural products. High-quality articles, including original research, short communications, and reviews, are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 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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