

## Special Issue

# Recent Developments and Emerging Trends in Metabolic Modelling and Metabolomics

### Message from the Guest Editors

Metabolism is critical to the growth and functioning of any biological system. The knowledge of metabolic phenotypes of living cells provides avenues for the development of new therapies and the identification of biomarkers for various diseases, or in metabolic engineering for industrial applications. Metabolomics and systems-based tools such as metabolic flux analysis and genome-scale modelling are popular approaches for measuring metabolism. There have been continuous efforts in refining and advancing analytical platforms and flux analysis tools to provide detailed insights into cellular metabolism and metabolic fluxes. This Special Issue focuses on recent developments and emerging trends in metabolomic studies and in metabolic modelling. It will cover the application of these tools in various disciplines ranging from human diseases to microbial biotechnology.

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### Guest Editors

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### Deadline for manuscript submissions

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## 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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