

## Special Issue

# Metabolomic Data Analysis in Plant Lipid Metabolism and Lipid Synthesis

### Message from the Guest Editors

In this Special Issue, we ask for contributions to identify key metabolites in plant lipid metabolisms by targeted and untargeted metabolic methods and their combination with other omics. We would like to emphasize the plant lipid biosynthesis and formation and accumulation of special fatty acid components. The identification of metabolites and their key metabolic pathway will be helpful for improving plant lipid biosynthesis. New key metabolic pathways of important bioactive components screened in plant lipids will be significant for the improvement of lipid quality for human health. We are convinced that the quantitative approaches in metabolite analysis could highlight the transport of metabolites between cells and break through the bottlenecks of improvement of special metabolites in plant lipids. New metabolic engineering methods for understanding and/or improving plant lipid metabolism and synthesis are also encouraged. New key genes, transcription factors, and ncRNAs, which regulate metabolite biosynthesis in plant lipids, will be also included in the scope of this Special Issue.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2024)



## 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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