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Metabolomic and Flux Analysis in Plants

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Message from the Guest Editors

The emergence of new and powerful analytical techniques enables the obtention of a series of broad and deep compilations of plant metabolomics data. This information, generated throughout different plant development stages, in conjunction with the respective molecular and fluxomics knowledge, form the bases for the rational analysis of plant metabolism. Accordingly, the identification of metabolic pathways leads to the synthesis and accumulation of metabolites of interest, the regulation of previously identified metabolic pathways, the improvement of our comprehension of plant metabolic flexibility, and finally, the translation of this improvement into new biotechnology strategies.

This Special Issue “Metabolomics and flux analysis in plants” is not only restricted to the development of new methods in plant metabolomics, lipidomics or fluxomics, but also extended to the study of specific plants whose metabolic analysis will contribute to the unravelling of the complex plant metabolism.

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Special Issue



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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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