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Integrated Metabolomics and Plant Chemical Diversity

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Message from the Guest Editors

Dear Colleagues,

Modern use of metabolomics in plant science addresses several gaps in our knowledge, such as: 1) identification of new metabolites to science; 2) plant–animal, plant–plant, and plant–microbe interactions; 3) plant chemical ecology; 4) taxonomy; 5) chemical and systematic geography; and 6) drug discovery. Integrated metabolomics goes a step further, seeking to combine metabolomic data with other disciplines, such as molecular systematics, gene expression (transcriptomics), in vitro bioassays, and in silico modeling, morphology, or environment, just to name a few. Lastly, publicly available data can be “mined” and either used on their own or incorporated into one’s own dataset in a larger analysis. Thus, the creation of quality metabolomic studies per se serves that end purpose.

The current Special Issue welcomes any kind of metabolomic or integrated studies that elucidate plant chemical diversity and its transdisciplinary applications in plant sciences.



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Special Issue



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Message from the Editor-in-Chief

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