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Advances in Plant Metabolic Engineering

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Deadline for manuscript submissions:
closed (31 March 2024)

Message from the Guest Editors

The aim of this Special Issue is to attract review papers and original research-oriented publications on all aspects of plant metabolic engineering. Contributions focused on advances in the optimization of cellular processes, concerning a specific plant species, by the redirection of one or more enzymatic reactions to produce new compounds, preferably by cheaper and simpler processes, or producing valuable metabolites in plants on industrial scales are invited for this Special Issue. Original research data or coherent and updated reviews are both welcome, including advances in plant metabolic engineering involving different databases, libraries of components, and conditions to generate the maximum production rate of a desired chemical compound, avoiding inhibitors and conditions that affect the growth rate and other vital functions in the specific plant, thus achieving these goals through the successful manipulation of metabolic flux. Alternative suggestions by potential authors are welcomed.

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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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