Special Issue

Metabolic Alterations and Gene Regulation in Plants under Stress

Message from the Guest Editors

As the final product of gene and protein expression, metabolites are the material basis of plant phenotypes; further, they can also affect gene expression and protein activity. Metabolism can distinguish the genotype effectively through its ability of reflect and amplify the small changes in the genome, transcriptome and proteome. With global climate change, the environment of plant growth has changed significantly, causing a series of changes in physiological and metabolic processes. This Special Issue of *Metabolites* will publish reviews and original articles covering the latest developments in plant metabolic processes in different periods or organs under abiotic stresses, especially the quantitative analysis of the composition and content of metabolites under stress conditions, and also the molecular regulatory mechanisms of the metabolic process.

Guest Editors

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Deadline for manuscript submissions

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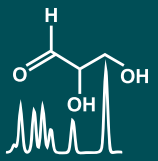

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About the Journal

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.

Editor-in-Chief

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