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Metabolic Responses to Abiotic Stress in Plants

Guest Editor:

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submissions:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue of *Metabolites*, entitled "Metabolic Responses to Abiotic Stress in Plants", focuses on the metabolic changes in plants in response to abiotic stress. The global environment is changing rapidly, and extreme temperatures, drought, salinity, and heavy-metal toxicity are constantly challenging plant growth. Potential topics of relevance to this SI cover various aspects of abiotic stress metabolism, including the accumulation of compatible solvents, activation of the antioxidant system, regulation of energy metabolism, and changes in lipid metabolism. Understanding these metabolic changes will be crucial to developing strategies for enhancing plant stress tolerance and increasing productivity in challenging environments.

This Special Issue aims to provide valuable insights into the complex mechanisms underpinning the metabolic response to plant biosecurity.



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Special Issue



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Editor-in-Chief

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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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