

Special Issue

Metabolic Responses of Plants to Abiotic Stress

Message from the Guest Editors

The aim of this Special Issue is to attract review and original research papers on all aspects of plant stress biology, including on stomatal control, ROS, and antioxidants, with regard to primary and secondary metabolism under various climatic conditions. Particularly, manuscripts dedicated to exploring the complicated metabolic regulation system of plants with the means of omics are strongly encouraged. Manuscripts aiming to elucidate a certain class of compounds, for instance, nonstructural carbohydrates, amino acids, phosphorus, lignin, etc., in response to abiotic stress are also highly welcome. Furthermore, this Special Issue is not limited to plant stress biology, as research articles dealing with epigenetic regulation and long-term memory effects of abiotic stress will absolutely be considered.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2024)



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).