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## Plant Physiological, Biochemical, and Molecular Responses to Abiotic Stresses

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Deadline for manuscript  
submissions:

**closed (1 May 2022)**

### Message from the Guest Editors

Plants are regularly exposed to changing environmental conditions that can cause abiotic stress. Abiotic stress causes adverse effects on plant growth, development, survival, and yield. Studies are needed on the physiological, biochemical, and metabolic responses observed in species and accessions that are tolerant or resistant to abiotic stress with a view to the functional characterization of genes involved in adaptation processes. Understanding the mechanism of plant stress response traits can provide new opportunities to improve stress-tolerant crops.

This Issue aims to bring together knowledge on plant physiological, biochemical, and genetic mechanisms for tolerance and the associated problem of abiotic stress in many irrigated areas. We welcome all contributions (original research or reviews) covering many topics:

- Physiological, biochemical, and metabolic studies quantifying the impact of abiotic stress on different traits;
- The effects of abiotic stress on plant development;
- The molecular mechanism to identify genes and pathways for plant growth regulation and abiotic stress tolerance.



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# Special Issue



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## Editor-in-Chief

### **Prof. Dr. Dilantha Fernando**

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## Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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