

## Special Issue

# Physiological and Molecular Mechanisms of Plant Under the Abiotic Stress

### Message from the Guest Editors

Global warming and extreme climatic events such as high temperatures, low temperatures, droughts, floods, ultraviolet or strong light, and persistent strong winds have always been hot topics. How plants deal with adverse environments is a fundamental biological issue that needs to be better understood.

This Special Issue on abiotic stress, physiological mechanisms, molecular mechanisms, and gene regulation aims to compile comprehensive reviews and original research articles that cover the latest novel discoveries on the interactions between plants and abiotic stresses such as droughts, floods, salt, heavy metals, light, mineral nutrition, microplastics, extreme temperatures, and mechanical damage. Potential topics include, but are not limited to, the following: (1) Molecular and physiological mechanisms on plant abiotic stress tolerance.

(2) Integration of transcriptomics, proteomics, and metabolomics in abiotic stress response.

(3) The genetic transformation of plants adapting to severe abiotic stresses.

(4) The breeding of plant varieties with strong stress resistance.

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### Guest Editors

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Dr. Yikai Zhang

Prof. Dr. Huizhe Chen

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### Deadline for manuscript submissions

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## Agronomy

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### Editor-in-Chief

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