Special Issue

Regulation of Abiotic Stress Responses in Vegetable Crops

Message from the Guest Editor

This Special Issue of *Plants* will highlight the regulation of stress tolerance of vegetable crops and the underlying physiological, biochemical, and molecular mechanisms, identification of candidate genes/enzymes that are targets for engineering to produce better yields under fluctuating environments, and signal crosstalk in adaptation to abiotic stresses. The main topics include, but are not limited to:

- Biological processes at the physiological and cellular levels in response to abiotic stresses.
- Transcriptomic, proteomic and metabolomic studies to reveal the signaling pathway of stress response.
- New genes, proteins and natural compounds that regulate stress tolerance.
- Roles of epigenetic regulation in stress response.
- Hormone homeostasis and signaling in stress response.
- Coordination of plant growth and stress tolerance.
- Mechanisms of stress acclimation.
- Application of new techniques to increase stress tolerance and the underlying mechanisms.
- Engineering plants with promising target genes.
- Phenotyping flatforms to detect physiological responses to abiotic stresses.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2022)

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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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