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Regulation of Abiotic Stress Responses in Vegetable Crops

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Deadline for manuscript
submissions:

closed (20 March 2022)

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 platforms to detect physiological responses to abiotic stresses.



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Special Issue



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Message from the Editor-in-Chief

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