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Investigation of Environmental Stress Tolerance and Physiology in Horticultural Crops

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Deadline for manuscript submissions:
closed (30 June 2024)

Message from the Guest Editors

Environmental stress is one of the major limiting factors for horticultural crops productivity worldwide. Among these, drought stress is the most common, the negative impact is the alteration in the plant metabolism, growth, and development and, in severe cases, crop death. Thus, understanding drought stress physiology will help in achieving the long-term goal of horticultural crop improvement, therefore minimizing the loss in crop yield to cope with increasing food requirements. Effective crop water management methods will provide best management practices to combat drought conditions for sustainable horticultural production.

In this Special Issue, we welcome the submission of original research papers, reviews on topics related to "Investigation of Environmental Stress Tolerance and Physiology in Horticultural Crops", including but not limited to growth and development, stress physiology, gene expression, multi-omics, biosynthesis of metabolites and antioxidants, nutritional quality and water-saving crop management methods, etc. of fruits, vegetables, and fresh flowers under environmental stress.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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