Special Issue

New Insights into Stress Physiology and Resistance Regulation in Horticultural Plants

Message from the Guest Editor

This Special Issue focuses on novel, innovative, and multi-perspective approaches that can be employed to examine the underlying mechanisms of adaptation and acclimation in horticultural plants that contribute to their increased tolerance to abiotic stress, as well as their increased resistance to biotic stress, at the morphological, physiological, biochemical, and molecular levels by employing cutting-edge methodologies. Therefore, this SI will welcome research articles and reviews that address these themes, with topics including, but not limited to, the following:

- Physiological and biochemical responses related to stress tolerance and resistance
- Modification of enzyme activities or alternation of gene expression patterns
- Metabolic readjustments estimated either via target or non-target metabolomic approaches
- Accumulation of specific ROS or other parameters of oxidative stress, and biosynthesis of antioxidants or compatible solutes
- Fine tuning of phytohormones
- Emission of volatile organic compounds (VOCs)

We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (25 September 2024)

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About the Journal

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.

Editor-in-Chief

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