Special Issue

Horticultural Plants Facing Stressful Conditions - Ways of Stress Mitigation

Message from the Guest Editors

Horticultural plants are exposed to a wide range of environmental stresses. Two types of stresses are distinguished: (1) abiotic stresses (e.g., heavy metals, salinity, heat, drought, chilling, freezing, radiation, nutrient deficit) and (2) biotic stresses (e.g., fungi, bacteria, nematodes, insects). Plants have developed various strategies of survival in and adaptation to adverse habitats. Their responses involve different complex signaling pathways, the effects of which can be investigated at the molecular, cellular, and physiological levels. Under multiple stress conditions, plants synthetize various regulators and biologically active compounds, which cause both biotic and abiotic stress responses. Plant tolerance can emerge not only from endogenic mechanisms, but also from simultaneously enriched microorganisms inhabiting their tissues (endophytes), surfaces (epiphytes), and soils in the vicinity of the roots (rhizosphere). The goal of this Special Issue is to provide deeper insight into the influence of stress factors at the cellular, tissue, organ, and whole plant level.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2023)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/97259

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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.

Editor-in-Chief

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