

Special Issue

Biochemical Responses of Horticultural Crops to Abiotic Stresses

Message from the Guest Editors

Abiotic stresses such as drought, waterlogging, extreme temperatures, salinity, nutrient deficiency, agrochemical application, heavy metal toxicity, low and high light intensities, UV light, hypoxia, and pruning can significantly impede plant growth, development, and productivity. Horticultural plants are high-value crops, are grown in diverse environmental conditions, and often experience either individual or combined abiotic stresses. Plants have evolved a series of mechanisms to react to these stresses, such as biochemical responses. These include the activation of antioxidant enzymes, adjustments in water use and nutrient uptake, changes in photosynthetic parameters, the accumulation and degradation of phytochemicals such as antioxidants, osmolytes, and various secondary metabolites, the regulation of biosynthesis of carbohydrates, proteins, lipids, amino acids, and sugars, and alterations in cell wall architecture. This Special Issue of *Plants* is intended to focus on the biochemical responses of horticultural crops to abiotic stresses. Both research and review manuscripts addressing abiotic stress-induced biochemical responses in horticultural crops are welcome.

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Deadline for manuscript submissions

closed (31 December 2025)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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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, and 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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