Special Issue

Enhancing Vegetable Quality and Yield Under Abiotic Stress Conditions

Message from the Guest Editors

Global food security faces significant challenges due to climate change-induced abiotic stresses, including drought, salinity, extreme temperatures, and heavy metal contamination. These stressors severely limit vegetable production, reducing both yield and nutritional quality, which are critical for human health. This Special Issue, titled "Enhancing Vegetable Quality and Yield Under Abiotic Stress Conditions," aims to compile high-quality research that addresses these pressing issues. We welcome original research and review articles that explore innovative physiological, biochemical, molecular, and agronomic strategies to improve vegetable crop resilience. Topics of interest include, but are not limited to, the elucidation of stress tolerance mechanisms, the application of omics technologies, the role of biostimulants and microbiome interactions, advances in breeding and genomics-assisted selection, and the development of sustainable crop management practices. The goal of this Special Issue collection is to present a comprehensive collection of studies that offer tangible solutions for securing a high-quality and abundant vegetable supply in a changing environment.

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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, 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.

Editor-in-Chief

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