

Special Issue

Mitigate Hunger through Enhancing Plant Resistance to Biotic and Abiotic Stresses

Message from the Guest Editors

Crop production is suffering due to stress conditions, and food security is becoming a major global concern. Plants are constantly subjected to a wide variety of environmental challenges due to their sessile behavior. Environmental stresses such as drought, heat, salt, or cold may have a detrimental effect on plant development and productivity in the field. Additionally, plants endure the danger of infection by pathogens (including bacteria, fungus, viruses, and nematodes) and invasion by herbivore pests under natural conditions.

Plant responses are very complicated when many stressors occur at the same time since the responses to the combined stresses are regulated mainly by separate and often conflicting signaling pathways that may interact and inhibit each other.

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Deadline for manuscript submissions

closed (5 March 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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