



Agronomic and Physiological Mechanisms of Crop Responding to Abiotic Stress

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Message from the Guest Editors

In the context of global climate changes and ongoing desertification, it is crucial to understand the physiological and biochemical processes of plants and the protective and adaptive strategies that allow them to reproduce and survive under conditions of osmotic stress, ionic toxicity, impaired mineral nutrition, and metabolism. Improving the photosynthetic capacity of crops and understanding the water regulation and water-salt balance of plants under conditions of high temperature, drought and salinity can serve as a basis for producing crops that are more resilient to marginal conditions.

This Special Issue aims to bring together state-of-the-art innovations and papers covering the agronomic and physiological mechanisms of both traditional and alternative/promising crops in response to drought and salinity and/or to these types of stress in combination with high temperatures. Original research articles and reviews are welcome. Especially research in photosynthetic processes, water exchange/water-salt balance, and mineral nutrition studies employing physiological, physicochemical, biochemical, and molecular-genetic approaches.





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Message from the Editor-in-Chief

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