

Special Issue

Crop Physiological Responses to Abiotic Stress Factors

Message from the Guest Editors

Abiotic environmental stress factors are major constraints to global food security. Plant environmental stresses such as water stress, salinity, cold/hot temperatures, tropospheric ozone, and excess UV radiation might become prevalent in the coming decades due to climate change. Exposure to environmental stress induces altered physiological responses leading to adverse effects on crop growth, development, and productivity. It is essential to understand the physiological mechanisms to environmental stress factors to improve crop productivity and quality under climate change conditions. This Special Issue invites original research articles, opinion papers, and short communications on the following topics: Crop physiological responses to different environmental factors; crop responses to abiotic stresses; stress tolerance mechanisms; crop breeding under stress conditions; improving tolerance; and beneficial aspects of stressors.

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Editor-in-Chief

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