Special Issue

Responses and Resistance Mechanisms of Plants Under Environmental Stress

Message from the Guest Editor

In recent years, with the intensification of global climate change, plants have been increasingly exposed to severe environmental stresses. Non-biological stresses—such as drought, salinity, heavy metal pollution, low temperature, high temperature—and biological stresses—encompassing pests and diseases—have significantly impacted plant growth and yield. To better understand their effects on plants and develop effective mitigation strategies, it is particularly important to delve into the study of plant resistance mechanisms. We encourage you to submit your latest research findings on how plants perceive and respond to environmental stresses, especially those involving new stress resistance mechanisms, resistance regulation, and genetic basis. Additionally, we welcome discussions on how to utilize this knowledge to improve crop stress tolerance and enhance agricultural production efficiency. We look forward to your contributions in advancing the development of plant stress mechanisms and utilization.

Guest Editor

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