Special Issue

Plant Cellular Homeostasis and Reprogramming during Stress

Message from the Guest Editors

Biotic and abiotic stresses induce a plethora of changes to cellular homeostasis. From early signaling events to transcriptional reprogramming to alterations in the proteomic landscape, plants adapt various strategies to cope during and after stress. These changes determine the fate of the recovery process. To maintain and re-establish cellular homeostasis, the whole signaling machinery is important. This is regulated at different levels as well. Recent advances/breakthroughs in the concerned field have provided us with a significant understanding of the underlying mechanism; however, various questions and challenges remain unanswered. This special issue will focus on various aspects of stress physiology. Plants, being sessile, have to encounter various stresses simultaneously or subsequently. Evolution has facilitated various adaptive strategies to counter, adjust, and recover from these stress. Therefore, it is necessary that we understand these phenomena/mechanisms that help plants to maintain their cellular homeostasis post-stress.

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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.

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