Special Issue

Plant Adaptation to Environmental Abiotic Stressors

Message from the Guest Editors

Plants are often subjected to various environmental stress factors. These environmental factors always occur alternatively, in which the changes in plants' growing environments largely affect the growth and development of plants and even reduce or destroy the yield of crops in agricultural production. Unraveling the mechanisms underlying these physiological and biochemical responses to environmental stressors could provide valuable strategies to improve agricultural crop yields. To gain insights into the stress response mechanism of plants, it is meaningful to unravel the perception and transmission links of plants in response to stress stimulations.This SI aims to highlight the advances in our understanding of the knowledge of plant adaptation to environmental abiotic stressors, with a main focus on the physiological, cellular and biochemical effects, protein interaction, molecular regulation network as well as on the underlying genetic determination and molecular control. Meanwhile, studies about the mechanisms and functions of epigenetic modifications, gene editing techniques, and accumulation-enhanced adaptation to abiotic stress tolerance are also welcome.

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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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