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Plant Adaptation to Environmental Abiotic Stressors

Guest Editors:

Dr. Dayong Zhang

State Key Laboratory for Crop Genetics & Germplasm Enhancement and Utilization, Cotton Germplasm Innovation and Application Engineering Center (the Ministry of Education), College of Agriculture, Nanjing Agricultural University, Nanjing 210095, China

Dr. Zhaolong Xu

Jiangsu Provincial Key Laboratory of Agrobiolgy, Institute of Germplasm Resources and Biotechnology, Jiangsu Academy of Agricultural Sciences, Nanjing 210014, China

Deadline for manuscript submissions:

9 June 2024

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.



mdpi.com/si/183939

Special Issue



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Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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