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Plant Cellular Homeostasis and Reprogramming during Stress

Guest Editors:

Dr. Ujjal Jyoti Phukan

Plant Responses to Stress Group,
Centre for Research in
Agricultural Genomics (CRAG),
CRAG Building - Campus UAB,
Cerdanyola, 08193 Barcelona,
Spain

Dr. Núria Sánchez Coll

Centre for Research in
Agricultural Genomics (CRAG)
CSIC-IRTA-UAB-UB, Cerdanyola
del Valles, Cerdanyola, 08193
Barcelona, Spain

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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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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, Grosspeteranlage 5
4052 Basel, Switzerland

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