

Special Issue

Developing Temperature-Resilient Plants: Responses and Mitigation Strategies

Message from the Guest Editors

During the last decade, omics approaches and seed priming with different phytohormones/plant growth regulators have revolutionized how plant biologists explore stress-responsive mechanisms and pathways, driven by current scientific developments. However, investigations are still required to explore numerous features of temperature stress responses in plants to create a complete idea in stress signaling. Therefore, this special issue will highlight the recent advances in the utilization of different conventional and modern biotechnological strategies such as (but not limited to) genomics, transcriptomics, metabolomics, proteomics, miRNA, genome editing, transgenic plants, exogenous application of plant growth regulators, etc., to understand stress adaptation and tolerance mechanisms to feed the growing population. We welcome submissions of original research and review articles dealing with temperature stress at both physiological and molecular levels.

Guest Editors

Prof. Dr. Channapatna S. Prakash

Dr. Ali Raza

Prof. Dr. Xiling Zou

Prof. Dr. Daojie Wang

Deadline for manuscript submissions

closed (25 September 2022)



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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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