Topical Collection

Plant Epigenetics: Advancing Adaptation Strategies for Climate Change

Message from the Collection Editors

Epigenetic mechanisms such as DNA methylation, histone modification and non-coding RNA (ncRNA) allow plants to modulate gene expression without altering their genetic code. This ability to make rapid and reversible changes in traits provides a unique pathway for enhancing resilience and adaptability. We invite researchers working in the dynamic field of plant epigenetics to submit their contributions to this Special Issue. We seek to highlight innovative findings, methodologies, and insights into the future directions of plant epigenetics research, particularly in the context of global climate change. This Special Issue aims to enhance our understanding of how epigenetic mechanisms can support plant resilience and adaptation to changing environmental conditions.

We look forward to your valuable contributions.

Collection Editors

Prof. Dr. Qingzhu Zhang

Dr. Shahid Ali

Dr. Bowei Chen



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

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Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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