

Special Issue

Plant Epigenetics: Advancing Adaptation Strategies for Climate Change

Message from the Guest 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.

Guest Editors

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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