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

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/si/220226

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

mdpi.com/journal/biology

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/journal/biology

About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Jukka Finne
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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

MDPI