



biology



an Open Access Journal by MDPI

Epigenetic Modifications Associated with Temperature Stresses

Guest Editor:

Prof. Dr. Tamas Dalmay

School of Biological Sciences,
University of East Anglia, Norwich
Research Park, Norwich NR4 7TJ,
UK

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Dear Colleagues,

Epigenetics refers to the heritable alterations in gene expression that may lead to a variation in the phenotype without a change in the DNA sequence. Molecular events in epigenetics take place naturally in cells but are also affected by environmental conditions, such as heat, cold, drought, and pathogen infections. In particular, heat and cold greatly affect plant growth and development. Research in recent years has revealed that epigenetic modification plays a key role in plants' response to temperature stress.

This Special Issue focuses on recent progress in the epigenetic control of temperature responses, including cold and heat responses in plants. Further research perspectives will also be discussed. We invite you to submit an original scientific report, a review article, or a commentary or perspective piece on this topic.

Prof. Tamas Dalmay

Guest Editor



mdpi.com/si/32207

Special Issue



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Biology Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)