Topical Collection

Cellular and Molecular Mechanisms Governing Stress Response in Plants

Message from the Collection Editors

Plants have an extraordinary capability to survive even in very adverse and dramatically changing conditions. Throughout their evolution, plants have learned to cope with multiple environmental stresses (abiotic and biotic) by evolving complex and interconnected strategies to, first, sense and signal stresses, and, second, activate a wide array of molecular, cellular, and physiological changes, and ultimately modulate their growth and development. This Special issue deals with all aspects of abiotic and biotic stress response in plants. In addition to plants, other photoautotrophs, including lichens, algae, and cyanobacteria, are very welcome. In addition to articles focusing on the molecular response to stress through a battery of processes such as epigenetic modifications, or changes in transcription, translation, and post-translational modifications, we also welcome articles highlighting the organization of molecular events via liquid–liquid phase separation under abiotic and biotic stress conditions. We aim to collect high-quality research articles, communications, and review articles in this field.

Collection Editors

Dr. Giovanna Serino

Department of Biology and Biotechnology, Sapienza Università di Roma, 00185 Rome, Italy

Dr. Daisuke Todaka

Center for Sustainable Resource Science, RIKEN, Yokohama, Kanagawa 230-0045, Japan

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/68984

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

mdpi.com/journal/biomolecules

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/biomolecules

About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen
Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan
Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)

MDPI