



genes



an Open Access Journal by MDPI

Molecular Mechanism of Plant Stress Resistance

Guest Editors:

Dr. Rohit Joshi

CSIR-Institute of Himalayan
Bioresource Technology,
Palampur 176061, India

Dr. Ananda Mustafiz

Plant Molecular Biology
Laboratory, Faculty of Life
Sciences and Biotechnology,
South Asian University, New Delhi
110021, India

Dr. Anil Kumar Singh

ICAR-National Institute for Plant
Biotechnology, New Delhi
110012, India

Deadline for manuscript
submissions:

closed (25 August 2023)

Message from the Guest Editors

Dear Colleagues,

Understanding stress responses in plants is an important and challenging topic in plant research as multiple biotic and abiotic challenges occur simultaneously and more frequently under field conditions. Our knowledge is mostly generated through the physiological and molecular analyses of biotic and abiotic stress responses in various plants in the post-genomic era. Systematic studies by various researchers on the novel regulatory mechanisms adapted by extremophiles have revealed that plants have evolved complicated and sophisticated systems in response to complex combinations of biotic and abiotic stresses. Integrating 'OMICS' data with reverse genetics approaches provides a more comprehensive picture of biotic and abiotic stress responses and identifies novel signaling components that serve as key targets.

In this Special Issue, we would like to invite submissions of high-quality original research or review articles on topics related to the individual and combined biotic and abiotic stress responses in plants.

Dr. Rohit Joshi

Dr. Ananda Mustafiz

Dr. Anil Kumar Singh

Guest Editors



mdpi.com/si/138081

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Selvarangan
Ponnazhagan**

Experimental Cancer
Therapeutics, The University of
Alabama at Birmingham, 1825
University Blvd., SHEL 814,
Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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, PubAg, and other databases.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)