

Special Issue

Abiotic Stress Responses in Horticultural Crops

Message from the Guest Editors

Agricultural sustainability is threatened by abiotic stress, contributing to crop failure worldwide and reduced crop productivity. Major abiotic stresses include extreme temperature, drought, salinity, and heavy metal contamination. To overcome abiotic stresses, plants have developed a repertoire of mechanisms to counteract these stresses. Therefore, more research is needed to explore the different mechanisms plant species exploit in response to abiotic stresses on the cellular, morphological, physiological, and molecular levels. The Topic Editors encourage you to contribute to this Special Topic with research articles or reviews deciphering the physiological, biochemical, cellular, or molecular mechanisms underlying abiotic stresses in horticultural crops. This Special Issue will cover, but is not be limited to, the following topics:

- Providing fundamental insights into the response of horticultural crops to abiotic stress;
- Elucidating the underlying mechanisms of resistance/tolerance of horticultural crops to abiotic stresses;
- Using biotechnological and other strategies to improve the resistance/tolerance of horticultural crops to abiotic stresses.

Guest Editors

Dr. Xiaoyong Xu

Dr. Lijuan Jiang

Dr. Lun Wang

Deadline for manuscript submissions

20 March 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



mdpi.com/si/200097

Agriculture

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 4.9



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)