

## 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.

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### Guest Editors

Dr. Xiaoyong Xu

Dr. Lijuan Jiang

Dr. Lun Wang

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### Deadline for manuscript submissions

20 September 2025



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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