

Special Issue

Novel Approaches and Strategies in Improving Crop Adaptability against Environmental Stress

Message from the Guest Editors

Due to the challenging climate conditions in recent decades, agricultural crops are exposed to various abiotic and biotic stress affecting their performance and yield. Nowadays, it is imperative to utilize cutting-edge technology for the efficient improvement of crops, hence, gaining the next generation of crops. In this Special Issue, we aim to provide insights into the latest research on stress tolerance in crops and the opportunity for researchers to present their results obtained by the application of various strategies and techniques. Interdisciplinary studies are welcome within the context of specific topics. Original research manuscripts, as well as reviews, are accepted. This Special Issue welcomes papers dealing with the following specific topics:

- Genetic engineering for stress tolerance in plant production
- Genome editing strategies (CRISPR/Cas9, RNA-based technology...)
- Agro-Nanotechnology
- Using biostimulants in agricultural production
- Molecular priming pretreatments and techniques
- Molecular and physiological mechanisms of plant stress tolerance and adaptation.

Guest Editors

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Deadline for manuscript submissions

closed (5 September 2024)



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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

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