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, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

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