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Abiotic and Biotic Stress of the Crops and Horticultural Plants

Guest Editor:

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Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editor

Crop plants and horticultural crops are constantly exposed to various stresses, such as drought, salinity, extreme temperatures, diseases, pests. These stresses can impact crop yield and quality, resulting in significant economic losses and food security challenges. Therefore, it is crucial to explore effective strategies for mitigating the adverse impacts of these stresses on crop production.

For this Special Issue, we invite original research articles and review studies focusing on innovative approaches, new insights, and practical solutions related to stress management in crops and horticultural plants. Submissions may cover a wide range of topics including stress tolerance mechanisms, genetic and molecular approaches for breeding strategies, physiological responses at the biochemical level integrated pest and disease management techniques precision farming technologies sustainable practices.

We encourage contributors from diverse disciplines including agronomy plant breeding pathology entomology genetics molecular biology environmental science to join us in addressing the challenges associated with abiotic and biotic stress in crops and horticultural plants.



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Special Issue



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Message from the Editor-in-Chief

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