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Breeding of Horticultural Crops for Trait Improvement and Stress Resilience

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Deadline for manuscript submissions:

closed (5 June 2024)

Message from the Guest Editors

This Special Issue will encompass different aspects of novel approaches to stress tolerance, such as the use of multi-omics tools along with emerging genome engineering tools that can expand our understanding of how plant's physiology is modulated in response to the changing environmental conditions, the molecular mechanisms underlying stress tolerance in plants and our understanding of gene function. The use of such tools in horticultural breeding is expected to revolutionize the trait improvement of horticultural crops. Furthermore, the interaction with beneficial microorganisms to induce stress resilience will offer new insights into targeted breeding programs.

This Special Issue invites contributions of original research and review/mini-review articles on recent advancements in the field, specifically on trait improvement and stress resilience in horticultural crops, using integrated omics-oriented approaches and modern breeding tools. Contributions highlighting the usefulness of new genotyping, phenotyping and modelling techniques to improve the understanding and prediction of complex traits in breeding programs are welcome.



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Special Issue



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Message from the Editor-in-Chief

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