Special Issue

Gene Expression and Identification in Ornamental Plants Under Stress Conditions

Message from the Guest Editors

Ornamental plants play a vital role in urban ecosystems and human well-being. However, escalating environmental challenges their survival and aesthetic value. Deciphering the genetic basis of stress adaptation is therefore pivotal for developing ornamental crops that balance ecological resilience and market competitiveness. This Special Issue emphasizes molecular mechanisms and innovative technologies to address these dual demands. We seek studies that bridge gene discovery with practical applications. Topics include (but are not limited to) the following: **Gene regulation:** Genome-wide profiling of stress-responsive genes; **Multiomics integration:** Synergistic use of transcriptomics, proteomics, and metabolomics to map stress adaptation networks in ornamental species; **Gene editing:** CRISPR/Cas9 applications to engineer stress-resistant cultivars; We welcome original research, reviews, and methodological advances that explore these themes. Submissions highlighting consumer-centric traits or climate-smart breeding strategies are particularly encouraged. To accelerate the translation of genetic insights into commercially viable and environmentally adaptive ornamental plants.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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