Special Issue

Genomics and Bioinformatics Applications in Horticulture

Message from the Guest Editors

Continuous development in low-cost and high-throughput sequencing technologies provides a wealth of genetic information to study the complex gene regulatory mechanisms and defense systems in the plants. Modern genomics and bioinformatics have surged the genome sequencing and molecular research of horticultural plants. This Special Issue focuses on genomics and bioinformatics analysis of horticultural plants, which can add value to the improvement of horticultural plants. This Special Issue covers broad topics on horticultural plants genomics, including but not limited to the following:

- Transcriptomics and genomics analysis in response to biotic and abiotic stresses
- Comparative genomics analysis
- Population genomics
- Genome- and transcriptome-wide association analysis
- Molecular marker discovery
- Plant–pathogen interactions
- Development of new computational tools, functional databases, and genetic information resources
- Machine learning in genomics analysis

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About the Journal

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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