Special Issue

New Advances in Genetic Improvement and Breeding of Fruit Trees

Message from the Guest Editors

Fruit trees are popular with the public as they have high economic, ecological, health and academic value. In recent decades, great efforts have been made by researchers on fruit trees, since the breeding of new varieties with excellent fruit quality (external appearance, texture, flavor, nutritional value, etc.) and strong adaptability to biotic and abiotic stress is in great need, not only to meet the ever-growing consumer demands, but also to better adapt the trees to rapid environmental changes. This Special Issue aims to provide a comprehensive overview of recent advances in the genetic improvement and breeding of fruit trees. Innovative research including—but not limited to—reference genome assemblies, transcriptome assemblies, genetic linkage maps, QTL mapping, genome-wide association studies, allele mining, gene expression, and marker-trait associations for marker-assisted selection are encouraged for submission. Moreover, advances in gene-editing technologies, such as CRISPR-Cas9—which has facilitated the development of novel genotypes while circumventing challenges in conventional breeding—are also welcomed.

Guest Editors

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Deadline for manuscript submissions

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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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