

Special Issue

Tropical Plant Genetics and Breeding

Message from the Guest Editor

Tropical plants are essential for global food security and economic development, yet they face unique challenges, including heat stress, drought, emerging pathogens, complex reproductive biology, and limited genomic resources. This Special Issue showcases recent advances in the genetics and breeding of key tropical crops such as rubber tree, cassava, oil palm, sugarcane, and tropical fruits (banana, pineapple, papaya, durian, and others). We welcome original research and reviews leveraging next-generation sequencing, gene discovery, genomic selection, CRISPR-based gene editing, and association mapping to dissect key agronomic traits, including disease resistance, stress tolerance, and post-harvest quality. By integrating multi-omics approaches and speed breeding strategies, this issue provides a platform for translating genetic discoveries into practical applications, ultimately accelerating genetic gain and promoting sustainable agriculture in tropical regions.

Guest Editor

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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