Special Issue

Genomics and Genetic Improvement of Tropical Crops

Message from the Guest Editors

Tropical crops, such as bananas, cassava, mangoes, rice, and rubber trees, serve as vital food sources, nutritional supplies, and economic engines for billions of people, particularly in tropical and subtropical regions. These crops exhibit remarkable genetic diversity, encompassing both cultivated varieties and wild relatives. Investigating their genomics provides crucial insights into the genetic mechanisms underlying key agronomic traits, including heat tolerance, disease resistance, and fruit quality, and accelerates the precision breeding of improved varieties. Genomic technologies now allow genetic enhancements with unprecedented efficiency, which is essential for ensuring global food security, promoting sustainable economic development, and addressing environmental challenges. This Special Issue aims to showcase the latest advances in this field of research. We welcome original contributions and reviews that cover functional genomics, bioinformatics, evolutionary genetics, omics-assisted trait discovery, genetic engineering, and CRISPR-based genome editing in tropical crops.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2026)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.1

mdpi.com/si/255629

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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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