Special Issue

Genomic Insights into Climate Resilience: Tools and Strategies for Coffee Improvement

Message from the Guest Editors

Genetic diversity is the cornerstone in building climate-resilient, high-yielding coffee systems. The strategic use of coffee genetic resources in breeding programs is critical in achieving this goal. Collecting, conserving, and characterizing coffee germplasm support crop improvement efforts, enabling the development of varieties that withstand drought, heat, pests, and diseases without compromising yield or quality. The efficient use of these genetic resources maximizes the impact of conservation investments, ensuring breeders have access to diverse, adaptable coffee genotypes for climate-smart development. Advances in biotechnology —from genomics to metabolomics and pangenomics— are unlocking new insights into the genetic foundations of climate resilience in coffee.

This Special Issue highlights the latest research and innovations driving sustainable coffee production. We welcome contributions focusing on genomic tools, germplasm characterization, and breeding strategies that pave the way for climate-resilient coffee, securing the future of this vital crop amid global environmental challenges.

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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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