Special Issue

Advances in Genetic Strategies for Enhancing Phytopathogen Tolerance in Horticultural Crops

Message from the Guest Editors

Global food security is at risk due to increased pathogen pressure because of climate change, limited resources, and intensive farming. Increasing food production by improving horticultural crops' genetic tolerance to phytopathogens has become critical. Climate-resilient cultivars not only reduce reliance on chemical pesticides, which can harm the environment and human health, but also contribute to sustainable agricultural practices. The Special Issue "Advances in Genetic Strategies for Enhancing Phytopathogen Tolerance in Horticultural Crops" aims at gathering innovative genetic approaches, including molecular breeding, gene editing, and genomic selection, that improve resilience in fruit, vegetable, and ornamental plants. Contributions that explore disease resistance in crops through genetics, the identification of resistance genes, host–pathogen interactions, and the application of biotechnology are encouraged. This Special Issue will serve as a valuable resource for researchers, breeders, and agronomists dedicated to sustainable crop protection, resilience, and yield improvement in horticulture.

Guest Editors

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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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