

Special Issue

Emerging Technologies and Integrated Approaches for Horticultural Plant Disease Management

Message from the Guest Editors

This Special Issue will explore cutting-edge solutions to address the persistent challenge of plant diseases in horticulture. It will cover a wide range of innovative topics, from advanced detection methods to novel disease resistance strategies. The issue will delve into integrated management systems that combine biological, chemical, and cultural control methods, as well as the application of precision agriculture and smart technologies. It will also examine the emergence of new pathogens and diseases, particularly in the context of climate change. The role of big data and artificial intelligence in disease identification, prediction, and management will be explored, alongside sustainable and eco-friendly approaches to disease control. Additionally, the issue will address the economic impacts and policy implications of these new strategies, providing a comprehensive overview of the current state and future directions in plant disease management. This collection of research will be invaluable to scientists, agricultural professionals, policymakers, and industry stakeholders working to mitigate the effects of plant diseases on crop production and food security.

Guest Editors

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Deadline for manuscript submissions

closed (14 February 2026)



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About the Journal

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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