

Special Issue

The Role of Rootstock in Horticultural Crops and Its Influence on Growth and Development

Message from the Guest Editors

Rootstocks play a pivotal role in modern horticultural crop cultivation, serving as the foundation for grafted scions and significantly influencing plant performance, resilience, and adaptability. The Special Issue aims to explore the multifaceted impact of rootstocks on growth dynamics, physiological responses, yield components, and product quality across a broad spectrum of species, including both fruit tree and vegetable crops. Grafting onto selected rootstocks can modulate plant vigor, precocity, nutrient uptake efficiency, stress tolerance, and resistance to soil-borne pathogens. In both perennial and annual cropping systems, the rootstock–scion interaction is increasingly recognized as a key determinant of canopy architecture, reproductive development, and overall crop productivity and sustainability.

We invite original research articles and reviews that address the genetic, physiological, agronomic, and molecular aspects of rootstock influence in horticultural crop systems. Contributions focusing on rootstock selection, rootstock–scion compatibility, advances in rootstock breeding, and the integration of rootstock traits for climate change adaptation are welcome.

Guest Editors

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Dr. Catalina Pinto
Prof. Dr. Guido Cipriani

Deadline for manuscript submissions

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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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