

Special Issue

In Vitro Conservation and Rapid Propagation of Horticultural Crops

Message from the Guest Editors

The in vitro conservation and rapid propagation of horticultural crops provide major advantages, such as the reduction of space requirements. Such benefits are particularly relevant for species that are difficult to propagate through conventional methods, sterile hybrids, and elite cultivars. In the context of current global challenges, in vitro technologies play a critical role. They support the safe international exchange of germplasm, enable the large-scale production of certified plant material, and contribute to the conservation of traditional and threatened varieties. Moreover, they are indispensable tools in modern plant breeding programs and sustainable horticultural production systems, driving innovation in the conservation, multiplication, and improvement of economically and nutritionally valuable species.

This Special Issue aims to present recent advances, innovative methodologies, and technological improvements related to the in vitro conservation and propagation of horticultural species. In particular, we welcome submissions that explore novel species with demonstrated horticultural potential, including those exhibiting nutraceutical properties.

Guest Editors

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Deadline for manuscript submissions

closed (10 June 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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