

Special Issue

In Vitro Technology and Micropropagated Plants

Message from the Guest Editors

The development of modern horticulture is strongly associated with the improvement of plant micropropagation technologies and the production of high-quality ex vitro plants. Tissue cultures are a source of healthy and true-to-type plant material for further cultivation under covers or in field. They are also used for breeding purposes, germplasm conservation, disease elimination, and the production of phytochemicals. The proposed Special Issue aims to present the results of studies focused on the development, improvement, and usage of plant tissue culture systems for horticultural purposes. Potential topics include, but are not limited to:

- Fundamental research on molecular and physiological responses of in vitro isolated plant cells and tissues
- Micropropagation of ornamental, vegetable, fruit, and herbal plants.
- Tissue culture in breeding, conservation and long-term storage of horticultural plants
- Media components in plant tissue cultures
- Physical factors and new tools in plant tissue cultures
- Metabolites production in plant tissue culture systems
- Diseases elimination by in vitro techniques
- Contaminations in plant tissue culture and their elimination

Guest Editors

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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

Prof. Dr. Luigi De Bellis

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