

Special Issue

Tissue Culture and Micropropagation Techniques of Horticultural Crops

Message from the Guest Editors

As the demands for enhanced efficiency, productivity, and sustainability in horticultural crop production continue to grow, we are delighted to announce our Special Issue focused on "Tissue Culture and Micropropagation Techniques of Horticultural Crops".

This dedicated issue aims to showcase cutting-edge research and advancements in various areas such as plant tissue culture, micropropagation, organogenesis, gynogenesis, androgenesis, double haploid production, somatic embryogenesis, meristem culture, embryo culture, callus culture, protoplast culture, the application of temporary immersion system (TIS), etc., within the realm of horticultural crops.

Additionally, we are interested in practical and applied research, spanning from new insights into the in vitro propagation process to the conservation of horticultural crops through methods such as Slow Growth Storage (SGS) and Cryopreservation.

By bringing together a diverse range of perspectives, this Special Issue aims to offer a comprehensive overview of the latest developments in tissue culture and micropropagation.

We eagerly await your valuable contributions to propel the frontiers of horticultural science.

Guest Editors

Dr. Tolga Izgü

Dr. Özhan Şimşek

Prof. Dr. Maria Angeles Pedreño

Dr. Haiying Liang

Deadline for manuscript submissions

closed (25 June 2025)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



mdpi.com/si/199247

Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)



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
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, 73100 Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Horticulture) / CiteScore - Q1 (Horticulture)