

Topical Collection

Application of Tissue Culture to Horticulture

Message from the Collection Editors

Plant tissue culture is the process of growing plant cells, tissues, or organs isolated from the mother plant, under controlled conditions. Since the early 20th century it has contributed to the progress of basic plant science. In the last twenty years, tissue culture has developed useful biotechnological approaches to agriculture. Particularly, in horticulture, plant tissue culture can offer technologies and methods for micropropagation, disease elimination, germplasm storage, production of secondary metabolites, plant modification and the improvement of fruit, vegetable, ornamental, and medicinal and aromatic plants. The purpose of this Special Issue on “Application of Tissue Culture to Horticulture” is to present cutting-edge studies, tools, methods, and innovations that have been successful in several fields of tissue culture applied to horticultural crops.

Collection Editors

Dr. Federica Blando

Institute of Sciences of Food Production (ISPA), National Research Council (CNR), Research Unit of Lecce, Via Prov. le Lecce-Monteroni, 73100 Lecce, Italy

Dr. Claudia Ruta

Department of Agricultural and Environmental Science (Di.S.A.A.T.), Università degli Studi di Bari Aldo Moro, Via Amendola 165/A, 70125 Bari, Italy



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 3.5



mdpi.com/si/60207

Horticulturae

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 3.1
CiteScore 3.5



[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, Università del Salento, Centro Ecotekne, via Provinciale Lecce Monteroni, 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 - Q2 (Horticulture)