

# Special Issue

## Research on Physiological, Genetic and Phytochemical Characteristics of Horticulture Crops

### Message from the Guest Editors

Horticulture presents scientific advances that positively influence the consumption of vegetables and fruits, and the health and happiness of the human being. Sustainable horticultural processes require new physiological and genetic knowledge to boost production without harming the environment. The molecular and phytochemical characterization of germplasm opens the possibility of obtaining new varieties. The determination of phytochemicals and their changes in postharvest and sensorial studies are vital to promoting particularities in the market of known commodities, underutilized crops and beverages. This Special Issue welcomes studies on:

- Physiological and genetic aspects of different horticultural crops, considering techniques oriented to reducing the damage to the environment.
- Evaluation of phytochemicals in beverages and underutilized crops.
- Sensorial evaluation of horticultural crops.
- Molecular, morphological characterization and diversity of germplasm.

### Guest Editors

Dr. Juan Guillermo Cruz-Castillo

Prof. Dr. Kazem Arzani

Prof. Dr. Franco Famiani

### Deadline for manuscript submissions

closed (31 August 2024)



# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/173613](https://mdpi.com/si/173613)

*Horticulturae*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[horticulturae@mdpi.com](mailto:horticulturae@mdpi.com)

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





# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[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, 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)