

# Special Issue

## Advance in Breeding and Cultivation of Medicinal Plants

### Message from the Guest Editors

As the world population is growing, so is the demand for medicinal plants. Most medicinal plants are still wild-sourced, and thus the cultivation of medicinal plants is of significant importance to relieve pressure from wild populations, which are decreasing due to habitat loss, overharvesting and climate change. Domestication and breeding of medicinal plants play a vital role in ensuring industry has high-yielding genotypes with high content of certain secondary metabolites for cultivation. As the first step of the breeding characterisation of available genetic resources takes place, it is followed by traditional biotechnology and molecular biology methods to create new varieties. Once the superior genotypes are selected, cultivation techniques need to be developed. Both environmental conditions and applied agrotechnologies affect yield and quality, and a rise in the demand for organic and pesticide residue-free medicinal herbs adds to the challenges faced by agronomists. We welcome papers discussing the characterisation of wild accessions, breeding, propagation and cultivation of medicinal plants.

### Guest Editors

Dr. Ieva Mezaka

Institute for Environmental Solutions, "Lidlauks", Priekule Parish, LV-4126 Cēsis, Latvia

Prof. Dr. Alessandra Carrubba

Department of Agricultural, Food and Forest Sciences, University of Palermo, 90128 Palermo, Italy

### Deadline for manuscript submissions

closed (10 December 2023)



# Horticulturae

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/140370](https://mdpi.com/si/140370)

*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, 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)