

# Topical Collection

## Microbe-Assisted Production of Horticultural Crops

### Message from the Collection Editors

Dear Colleagues, Beneficial microorganisms control pests, pathogens, and weeds, increase yields, and improve the quality of plant products, through their direct and indirect interactions with the plants. Furthermore, the microbiota has been known to contribute to the expression of plant genotype into the phenotype, hence traditional breeding has moved towards the so-called “microbial-assisted breeding”. This Topical Collection will address basic and applied aspects of the use of beneficial microorganisms to make crop production more sustainable. We invite researchers to submit papers (review articles and research results) that highlight the application of beneficial microbes on enhancing sustainable agricultural production, with the objectives to unveil different aspects of crop management, including their interactions with the horticultural crops and other organisms and the dynamics of their assemblies under diverse natural and anthropological pressures. Primary and applied research opening novel applications of microorganisms are appreciated.

---

### Collection Editors

Dr. Giovanni Bubici

Istituto per la Protezione Sostenibile delle Piante, Consiglio Nazionale delle Ricerche, 70126 Bari, Italy

Dr. Maria Isabella Prigigallo

Institute for Sustainable Plant Protection, Italian National Research Council, 70126 Bari, Italy

---



## Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/65120](https://mdpi.com/si/65120)

*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)