

# Special Issue

## Practices and Innovation in Vegetable and Mushroom Production

### Message from the Guest Editor

The advances and development in horticulture production systems, i.e., greenhouse horticulture, soilless cultivation, LED-based illumination systems, organic and integrated farming, hydroponics, multistory farming, and urban agriculture help to achieve qualitative and quantitative vegetable and mushroom production. On the other hand, innovative knowledge addressing vegetable cultivation undercover and in the open field, reducing resource consumption and optimizing fertigation, irrigation, substrates, cultivars, growing conditions, and bio-fortification, is of great significance. When it comes to mushrooms, production advancements including climate control, the need for alternative substrates, new strains, and other constituents contributing yield and quality of mushroom fruiting bodies remain a challenge to date. This Special Issue aims to bring expert research work together to deliver the most up-to-date knowledge, in order to address various challenges and opportunities in vegetable and mushroom production from a local, national, and international perspective.

### Guest Editor

Dr. Jolanta Lisiecka

Department of Vegetable Crops, Faculty of Agronomy, Horticulture and Bioengineering, Poznań University of Life Sciences, ul. Dąbrowskiego 159, 60-594 Poznań, Poland

### Deadline for manuscript submissions

closed (15 May 2023)



# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/104767](https://mdpi.com/si/104767)

*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)