

# Special Issue

## Effects of Biostimulants on Horticultural Crop Production

### Message from the Guest Editors

Horticultural crop production includes a variety of production systems that are typified by lower land requirements compared to agricultural practices. Taking into account the increasing demand, it is evident that this rapidly growing branch requires the establishment of more sustainable production practices. A promising solution may come in the form of the application of biostimulants as pure compounds or as formulations of bioactive compounds that enhance plant and root growth, nutrient uptake, tolerance to abiotic stress, and crop quality. The application of biostimulants offers a balanced approach. Today, many studies have become available that confirm the positive effects of biostimulants on the mentioned characteristics of plants or the plant rhizosphere, and a huge number of compounds. Moreover, research on their effects on plant physiology and how they impact horticultural crops at the molecular level is still required. This Special Issue aims to survey the challenges and opportunities associated with the use of biostimulants in horticultural crop production, whilst also discussing their composition, timing, and mode of application.

### Guest Editors

Dr. Monika Tkalec Kojić

Dr. Tomislav Vinković

Dr. Nada Parađiković

### Deadline for manuscript submissions

closed (20 June 2025)



# Horticulturae

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/207541](https://mdpi.com/si/207541)

*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)