



## The Effect of Biostimulants on Horticultural Crops

Guest Editors:

**Dr. Pedro Loeza-Lara**

Licenciatura en Genómica  
Alimentaria, Universidad de La  
Ciénega del Estado de  
Michoacán de Ocampo  
(UCEMICH), Sahuayo 59103,  
Mexico

**Prof. Dr. Gustavo Santoyo**

Instituto de Investigaciones  
Químico Biológicas, Universidad  
Michoacana de San Nicolás de  
Hidalgo (UMSNH), Morelia,  
Mexico

**Dr. Rafael Jiménez-Mejía**

Licenciatura en Genómica  
Alimentaria, Universidad de La  
Ciénega del Estado de  
Michoacán de Ocampo  
(UCEMICH), Sahuayo 59103,  
Mexico

Deadline for manuscript  
submissions:

**closed (10 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

One of the main challenges for global agriculture will be to fulfill increasing food demand for a growing population, estimated to be more than 9 billion people by 2050, showing the urgent need to elevate sustainable agricultural production over the coming decades. To achieve the above, it is necessary to use eco-friendly alternatives. Agricultural biostimulants include substances and microorganisms (microbial bioinoculants, humic acids, fulvic acids, protein hydrolysates, and amino acids, and seaweed extracts) that could enhance horticultural crops production by plant growth stimulation, increased nutrient uptake, and biotic and abiotic stress tolerance.

The purpose of this Special Issue of *Horticulturae*, titled “Effect of Biostimulants on Horticultural Crops”, is to show the beneficial effects of new biostimulants that could also contribute to the development of sustainable horticulture. Manuscripts that show advances in the molecular mechanisms used by bioinoculants to stimulate plant growth, nutrient uptake, and stress tolerance response are welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

## 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.

## 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 - Q2 (*Horticulture*)

## Contact Us

---

*Horticulturae* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/horticulturae  
horticulturae@mdpi.com  
X@Horticul\_MDPI