



## Advanced of Horticulture Innovative Irrigation Technologies

Guest Editor:

**Dr. Lucia Bortolini**

Department of Land,  
Environment, Agriculture and  
Forestry (TESAF), University of  
Padova, Viale dell'Università 16,  
35020 Legnaro, Italy

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

Irrigation allows one to obtain high vegetable crop yield, improving quality and ensuring greater flexibility in choosing crop rotations. The modernization process of the irrigation systems has made it possible to increase the efficiency of water use. However, in a context of climate change and increased demand for food, an update of irrigation equipment and devices and a review of management methods may be necessary. Emerging and innovative irrigation technologies, including site-specific crop management, have the potential to improve crop performances, applying water and agrochemicals more precisely to match the plant needs and reduce non-productive water use, developing resilient and stable production systems. This Special Issue will examine recent advances in irrigation approaches and technologies that can contribute to ensuring high quality and quantity vegetable production, increase water use efficiency, and improve long-term farm sustainability and profitability.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Luigi De Bellis

Department of Biological and  
Environmental Sciences and  
Technologies (DiSTeBA), Salento  
University, 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 - Q1 (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