



## Postharvest Physiology, Biochemistry and Sustainable Management of Plant Genetic Resources

Guest Editors:

**Dr. Virgilio Gavicho Uarrota**

Institute of Agri-Food, Animal and Environmental Sciences (ICA3),  
Universidad de O'Higgins, San Fernando 3070000, Chile

**Dr. Noshin Ilyas**

Department of Botany, PMAS Arid Agriculture University  
Rawalpindi, Rawalpindi 46300, Pakistan

**Prof. Dr. Marcelo Maraschin**

Morphogenesis and Plant Biochemistry Laboratory,  
Department of Plant Sciences,  
Federal University of Santa Catarina, Florianópolis 88049900, SC, Brazil

Deadline for manuscript submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

Users of plant genetic resources can potentially leverage these capacities to significantly increase the efficiency and effectiveness of their efforts to conserve, discover, and exploit novel properties of PGRs. On the other hand, Postharvest Physiology and Biochemistry of Fruits and Vegetables presents an updated, coherent and sequenced view of the contribution of fruits and vegetables to human health, their aspects of plant metabolism, physical and chemical changes throughout the life cycle of fruit development, physiological disturbances and biochemical effects of modified or controlled atmospheres and the biotechnology of horticultural crops.

It is therefore necessary to assess plant genetic resources and the post-harvest physiology and biochemistry of horticultural plants in the context of climate change, and to deepen our understanding of abiotic and biotic stressors and characterize their adaptation mechanisms. This Special Issue welcomes studies on the physiology, biochemistry and effects of various biotic and abiotic stressors in different horticultural crops and on the sustainable management of plant genetic resources.





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