

# Special Issue

## Research on Pomegranate Germplasm, Breeding, Genetics and Multiomics

### Message from the Guest Editors

Pomegranate (*Punica granatum* L.) belongs to the family Lythraceae, native to central Asia. In recent years, along with the increase in its cultivation and consumption, research on pomegranate germplasm, genetics, multiomics, cultivation, and postharvest physiology has progressed significantly. Genome sequences of pomegranate varieties and transcriptomic data from fruits, flowers, and leaves is expected to facilitate an understanding of the genetic control of metabolites in pomegranate. The focus of this Special Issue is to cover pomegranate-related research areas, including germplasm evaluations, innovation and utilization, breeding, genetic map construction, molecular marker development, genomics, transcriptomics, and proteomics, including molecular and physiological mechanisms of fruit quality, fruit seed, flower development, or adaptation to environmental cues. Studies on pomegranate cultivation and postharvest physiology are also welcome. In addition, we aim to invite experts to submit review articles highlighting recent advances and future perspectives of pomegranate germplasm innovation and utilization.

### Guest Editors

Prof. Dr. Zhaohe Yuan

Prof. Dr. Gaihua Qin

Prof. Dr. Julián Bartual

### Deadline for manuscript submissions

closed (15 May 2024)



# Horticulturae

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.1



[mdpi.com/si/158168](https://mdpi.com/si/158168)

*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)