



## Recent Scientific Developments in Genetics, Genomics, and Breeding of Fruit Trees

Collection Editors:

**Dr. Minjie Qian**

Sanya Nanfan Research Institute,  
Hainan University, Sanya 572025,  
China

**Dr. Aidi Zhang**

School of Food Engineering,  
Ludong University, Yantai 264011,  
China

**Dr. Junbei Ni**

College of Agriculture and  
Biotechnology, Zhejiang  
University, Hangzhou 310058,  
China

### Message from the Collection Editors

In recent years, the increasing demand for high-quality fruit with high resistance to pests and diseases has tremendously promoted the development of fruit tree research. However, detailed functional analyses of fruit trees are far behind model plants, due to highly heterozygous and complex genomes and the barrier of plant genetic transformation and/or regeneration in some fruit tree species. Fortunately, the application of next-generation sequencing technologies coupled with rapid advances in bioinformatics has facilitated the development of fruit trees for genetic and genomic studies as well as molecular breeding over the last decade.

The proposed Topical Collection entitled “Recent Scientific Developments in Genetics, Genomics, and Breeding of Fruit Trees” aims to present advances in gene mining, genetic mechanisms, omics analyses (e.g., genomics, transcriptomics and proteomics), and the application of gene-editing technologies and molecular breeding of fruit trees. We look forward to receiving your manuscripts (including reviews and research articles) and are eager to share your newest findings.





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