



## Genetic Resources and Fruit Development Biology of Solanaceae

Guest Editors:

**Prof. Dr. Lingxia Zhao**

Plant Biotechnology Research  
Center, School of Agriculture and  
Biology, Shanghai Jiao Tong  
University, Shanghai 200240,  
China

**Dr. Qian Shen**

School of Agriculture and  
Biology, Fudan-SJTU-  
Nottingham Plant Biotechnology  
R&D Center, Shanghai Jiao Tong  
University, Shanghai 200240,  
China

**Dr. Yingying Zhang**

Shanghai Key Laboratory of  
Protected Horticulture  
Technology, The Protected  
Horticulture Institute, Shanghai  
Academy of Agricultural  
Sciences, Shanghai 201403,  
China

### Message from the Guest Editors

The purpose of this Special Issue entitled “Genetic Resources and Fruit Development Biology of Solanaceae” is to present the creation of novel germplasm resources using heirloom varieties, wild relatives, and mutant libraries, and to provide methodologies, technological specifications, and breeding materials. Moreover, it aims to dissect the genetic mechanisms of fruit development such as fruit ripening, fruit color formation, and the accumulation of key components or secondary metabolites associated with product qualities. This Special Issue is open to the submission of manuscripts associated with functional gene dissection, as well as interesting studies that reveal the molecular regulation mechanism of plant hormones participating in fruit ripening and development.

Deadline for manuscript  
submissions:

**10 June 2024**



[mdpi.com/si/154674](https://mdpi.com/si/154674)

# Special Issue



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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/horticulturae](http://mdpi.com/journal/horticulturae)  
[horticulturae@mdpi.com](mailto:horticulturae@mdpi.com)  
[X@Horticult\\_MDPi](https://twitter.com/Horticult_MDPi)