



New Advances in Genetic Improvement and Breeding of Fruit Trees

Guest Editors:

Prof. Dr. Ke Cao

Prof. Dr. Ying Zhang

Dr. Zhenyu Huang

Deadline for manuscript
submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Fruit trees are popular with the public as they have high economic, ecological, health and academic value. In recent decades, great efforts have been made by researchers on fruit trees, since the breeding of new varieties with excellent fruit quality (external appearance, texture, flavor, nutritional value, etc.) and strong adaptability to biotic and abiotic stress is in great need, not only to meet the ever-growing consumer demands, but also to better adapt the trees to rapid environmental changes. This Special Issue aims to provide a comprehensive overview of recent advances in the genetic improvement and breeding of fruit trees. Innovative research including—but not limited to—reference genome assemblies, transcriptome assemblies, genetic linkage maps, QTL mapping, genome-wide association studies, allele mining, gene expression, and marker-trait associations for marker-assisted selection are encouraged for submission. Moreover, advances in gene-editing technologies, such as CRISPR-Cas9—which has facilitated the development of novel genotypes while circumventing challenges in conventional breeding—are also welcomed.





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