Special Issue

Genetic Improvement and Stress Resistance Regulation of Fruit Trees

Message from the Guest Editors

The growth and development of fruit trees usually depend on the genotype and environmental conditions. Unpredictable environmental change will impose amplified abiotic and biotic stresses on fruit trees. However, fruit trees have evolved and developed a wide range of strategies at the physiological, biochemical, and molecular levels to deal with these stresses. In addition to harnessing these strengths, fruit tree genetic improvement is critical for enhancing quantity, quality, and stress resistance to meet the growing demands of sustainable horticulture. The aim of this Special Issue, entitled "Genetic Improvement and Stress Resistance Regulation of Fruit Trees", is to collect research studies on the key adaptation strategies of fruit trees that can be exploited to improve stress tolerance and on the genes and genetic variation involved in different mechanisms related to the implementation of adaptation to biotic and abiotic stresses. We look forward to your excellent contributions to this Special Issue of *Horticulturae*.

Guest Editors

Prof. Dr. Bowen Liang

College of Horticulture, Hebei Agricultural University, Baoding 071001, China

Dr. Changqing Ma

College of Horticulture, Qingdao Agricultural University, Qingdao 266109, China

Deadline for manuscript submissions

20 January 2026

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/245430

Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

mdpi.com/journal/horticulturae

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

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)

MDPI