Special Issue

Research Advances in Plant Stress Biology

Message from the Guest Editors

Adverse environments are defining the production of horticultural crops worldwide. As sessile organisms, horticultural crops are continuously facing abiotic and biotic stresses and thus have evolved various strategies at the physiological, biochemical, and molecular levels. Understanding the physiological and molecular mechanisms of horticultural plants in response to stresses is pivotal for their improvement of stress tolerance. We encourage the submission of high-quality research articles that 1. provide novel insights into stress tolerance, adaptation, or evolution of horticultural plants; 2. engineer stress-tolerant horticultural plants; 3. generate useful tools for the evaluation of stress tolerance in horticultural plants.

Guest Editors

Prof. Dr. Qingmei Guan

College of Horticulture, Northwest A&F University, Yangling 712100, Shanxi, China

Dr. Vincent G.M. Bus

Plant & Food Research, Private Bag 1401, Havelock North 4157, New Zealand

Deadline for manuscript submissions

14 August 2025

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/98789

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