Special Issue

Horticultural Crop Physiology under Biotic and Abiotic Stresses

Message from the Guest Editors

The problems of modern horticulture are a decrease in the productivity of horticultural crops due to phytopathogens (viruses, bacteria, fungi, nematodes, insects, etc.) and the action of unfavorable abiotic factors (high and low temperatures, drought, salinity, nutritional deficiencies, xenobiotics, heavy metals, etc.). The use of mineral fertilizers, pesticides and other chemicals increases the technogenic load on horticultural ecosystems. The accumulation of toxic elements and their compounds in the soil increases water deficiency and poses a threat in the form of horticultural plants contamination, thereby exerting a negative effect on the human health. Therefore, in our current Special Issue on "Horticultural Crop Physiology under Biotic and Abiotic Stresses" molecular, biochemical, and physiological mechanisms of plant adaptation to the action of biotic and abiotic stressors and their combinations will be considered. Research articles, reviews, short notes, and opinion articles related to the study of tolerance mechanisms of horticultural crops to various stressors, including their relationship with soil microorganisms, are welcomed.

Guest Editors

Dr. Maria G. Maleva

Dr. Alexander A. Ermoshin

Prof. Dr. Galina Borisova

Deadline for manuscript submissions

closed (31 December 2023)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/104873

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