Special Issue

Plant Physiology under Abiotic Stresses

Message from the Guest Editor

Abiotic stress includes not only single adversities, i.e., drought, temperature, light, salt, nutrient, heavy metal, but also complex stresses, i.e., karst environment, saline–alkali soil, wetland environment. Abiotic stresses strongly affect many aspects of plant substance and energy metabolism. Meanwhile, abiotic stress not only affects the physiological processes of photosynthesis, water metabolism, and inorganic nutrient absorption, but also influences the electrophysiology and other physical parameters of plants. Therefore, their gene expression, electrophysiology, leaf mechanics, and carbon and nitrogen assimilation will respond and change correspondingly. The rapid determination of plant physiological information under adversity is meaningful to the real-time regulation of plant growth and development. This current Special Issue will involve work regarding plants' adaptability to abiotic stresses. Scientists from all over the world are invited to submit original research and review articles that relate to such topics.

Guest Editor

Prof. Dr. Yanyou Wu

State Key Laboratory of Environmental Geochemistry, Institute of Geochemistry, Chinese Academy of Sciences, Guiyang 550081, China

Deadline for manuscript submissions

closed (30 November 2022)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/80385

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