

## Special Issue

# Horticultural Crops under Stresses

### Message from the Guest Editors

Climate change and its consequences in agriculture raise new technologies for tolerance induction and modeling for the phenotyping and diagnosis of abiotic stresses. Horticultural crops need more attention in cultivation due to their organoleptic and nutritional properties. Abiotic stresses can strongly impair the growth and productivity of horticultural crops. Therefore, research on mitigation through tolerance induction, screening, phenotyping, as well as diagnosis of water and nutritional status of plants under stress conditions can foster agrotechnologies for sustainable agricultural management. However, many knowledge gaps in situations of horticultural cultivation systems, especially in arid and semi-arid regions, still need to be addressed. In addition to defining and evaluating the most appropriate mitigation strategies, this Topic is open to studies that investigate the problem of mitigation and adaptation in plant systems cultivated under conditions of abiotic stress in the face of climate change, aiming at technical solutions and strategies to improve the agricultural sector.

### Guest Editors

Dr. Alberto Soares De Melo

Graduate Program in Agricultural Sciences, Paraíba State University, Campina Grande 58429-500, PB, Brazil

Prof. Dr. Hans Raj Gheyi

Postgraduate Program in Agricultural Engineering, Federal University of Campina Grande, Campina Grande 58429-900, Brazil

### Deadline for manuscript submissions

closed (31 March 2023)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/126649](https://mdpi.com/si/126649)

*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

[mdpi.com/journal/  
plants](https://mdpi.com/journal/plants)





# Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/journal/  
plants](https://mdpi.com/journal/plants)



## About the Journal

### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

---

### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

---

### 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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)