



*plants*



an Open Access Journal by MDPI

## Crop Improvement for Climate Resilience and Global Food Security

Guest Editor:

**Dr. J. C. Luis Jorge**

Dpto. Botánica, Ecología y  
Fisiología Vegetal Universidad de  
La Laguna Avda, Astrofísico  
Francisco Sánchez, s/n 38200 La  
Laguna, S/C de Tenerife, España

Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editor

Crop improvement is the process of developing new plant varieties or improving existing ones with desirable traits to increase yield, improve quality, enhance resistance to diseases and pests, and/or improve tolerance to environmental stress. Crop improvement is essential to ensure food security, improve the livelihoods of farmers, and promote sustainable agriculture. By developing new varieties that are more productive, disease resistant, and tolerant to environmental stress, crop improvement can help address the challenges of increasing demand for food and limited resources.



[mdpi.com/si/174647](https://mdpi.com/si/174647)

# Special Issue



# plants



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Dilantha Fernando**

Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## 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, 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.

## 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 (*Plant Science*)

## Contact Us

---

*Plants* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)