



## Enhancing Crop Resiliency through Innovative Breeding Techniques: Paving the Way for Sustainable Agriculture

Guest Editors:

**Dr. Antônio Teixeira do Amaral Junior**

**Dr. Freddy Mora-Poblete**

**Dr. Talles de Oliveira Santos**

Deadline for manuscript  
submissions:

**closed (31 December 2023)**

### Message from the Guest Editors

This Special Issue aims to bring together the latest research and developments in the field of crop breeding techniques and their application to enhance crop resiliency. The included articles cover a wide range of crops and regions, highlighting the importance of crop resiliency in different agricultural systems. These papers present cutting-edge research on the development of crops that can tolerate drought, salinity, pests, and other environmental stresses. Furthermore, this Special Issue showcases innovative breeding techniques that are used to accelerate the development of new crop varieties that are more resilient to changing environmental conditions.

Therefore, in this Special Issue, we will publish reviews and original research papers that emphasize the importance of enhancing crop resiliency through innovative breeding techniques as a means of paving the way for sustainable agriculture. The articles in this Special Issue provide an excellent resource for researchers, plant breeders, and policymakers who are working towards ensuring food security and sustainability in the face of climate change worldwide.





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 (Ecology, Evolution, Behavior and Systematics)

## Contact Us

---

Plants Editorial Office  
MDPI, Grosspeteranlage 5  
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)