



*plants*



an Open Access Journal by MDPI

## Doubled Haploid Technology in Plant Breeding

Collection Editor:

**Prof. Thomas Lübberstedt**

Department of Agronomy, Iowa  
State University, Ames, IA 50011,  
USA

### Message from the Collection Editor

In the special issue "Doubled Haploid Technology in Plant Breeding", articles (original research papers, perspectives, hypotheses, opinions, reviews, modeling approaches and methods) are most welcome that focus on molecular processes related to haploid induction, genome doubling, biological processes involved in doubled haploid plant development in tissue culture (using approaches such as transcriptomics, proteomics, metabolomics, and genetic mapping), the development of methods to increase the efficiency of the DH process (such as novel phenomic methods for haploid – diploid discrimination), introduction of DH technology in novel species, and the utilization of DH technology for novel applications (such as for gene editing), in model plants, crop plants, trees, aquatic plants and native species.



[mdpi.com/si/25818](https://mdpi.com/si/25818)

**Topical** Collection



# 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)