



plants



an Open Access Journal by MDPI

Advances in Cotton Genomics, Genetics and Breeding

Guest Editors:

Dr. Tianlun Zhao

College of Agriculture and
Biotechnology, Zhejiang
University, Hangzhou 310058,
China

Dr. Zhanfeng Si

The Rural Development
Academy, Zhejiang University,
Hangzhou 310058, China

Dr. Qian-Hao Zhu

CSIRO Agriculture and Food,
Canberra, ACT 2601, Australia

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editors

With the rapid development of high-throughput genome sequencing, many cotton genomes have been sequenced, assembled and annotated, providing a great opportunity for comparative genomics research, genetic analysis and fine mapping of agronomic traits, mining genes underpinning important agronomic traits, gene functional verification, genetic transformation, etc. Molecular technology and biotechnology have achieved tremendous progress, especially gene editing technology, for instance, CRISPR/Cas9, which has enormous potential in cotton breeding through harnessing genetic diversities related to superior agronomic traits. Nowadays, marker-assisted selection, genetic transformation and genomic prediction enabled precision breeding, revolutionizing cotton breeding practices, and they are anticipated to have a profound impact on cotton production in the near future. In this Special Issue, we will report progresses on all aspects of cotton genomics, genetics and breeding.



mdpi.com/si/182866

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)