



plants



an Open Access Journal by MDPI

Cereal Genetics and Molecular Genetics

Guest Editor:

Prof. Nikolay P. Goncharov

Institute of Cytology and
Genetics of the Siberian Branch
of the Russian Academy of
Sciences, Novosibirsk, Russia

Deadline for manuscript
submissions:

closed (30 March 2024)

Message from the Guest Editor

The development of crop genetics and molecular methods for genetic analysis has significantly improved our understanding of the structure and behavior of cereal genomes. This progress has secured us with the production of cultivars for the next generation. Overall, developing next-generation cultivars plays a crucial role in reducing risks posed by climate change. Additionally, some cereals are considered an ideal model for studying the genetics of cultivated plants due to their close relationship.

This Special Issue will cover various areas, aiming to contribute to the overall knowledge of cereal genetics and molecular genetics from several aspects, including functional genomics, transformation, gene editing, and marker-assisted selective breeding. To speed up advancements in the field, we also encourage the submission of confirmatory findings and negative or inconclusive results which address rigorously tested hypotheses and aspects of molecular genetics. Regarding the publication format, we aim to gather original research articles and reports alongside reviews and opinions.



mdpi.com/si/163594

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)