

Special Issue

Biotechnological Advances for Crop Improvement and Sustainable Agriculture

Message from the Guest Editor

The world's population is increasing day by day and will reach 10 billion by 2050. It is important to produce enough high-quality, nutritious food to feed 10 billion people in the scenario of unpredictable climate change. Therefore, this Special Issue aims to provide an understanding of recent technological advancements that improve crop yield under various climatic conditions with no nutritional penalties. This issue has a particular interest in research on genome editing techniques used for crop improvement and nutritional quality, environmental adaptability, biotic/abiotic stress management, genomics and bioinformatic resources, genetic engineering, and plant breeding.

Guest Editor

Dr. Parul Gupta

Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR 97331, USA

Deadline for manuscript submissions

31 December 2024



Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



mdpi.com/si/200009

Plants
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

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, and 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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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)