Special Issue

Genome Editing Application on Plant Growth and Development Improvement

Message from the Guest Editors

Genome editing is a powerful tool that allows scientists to precisely and efficiently alter an organism's DNA. Plants growing under natural conditions often face multiple stresses from their environment, including, but not limited to, extreme temperature, salinity, drought, etc. These technologies enable improvements in the plant's growth and development, as well as tolerance to abiotic stresses. This Special Issue highlights the recent advancements in understanding the transcriptional regulation of genes regulating plants' growth and development using CRISPR/cas9. We welcome all types of articles including research, methods, opinions, and reviews on CRISPR/cas9-based genome editing on the following aspects:

- Regulation of gene transcription;
- Abiotic stress;
- Flowering time control;
- Crop improvement;
- Plant adaptation to climate change.

Studies using both model and non-model plant species are welcome.

Guest Editors

Dr. Keh Chien Lee

Umeå Plant Science Centre (UPSC), Department of Forest Genetics and Plant Physiology, Swedish University of Agricultural Sciences, 90183 Umeå, Sweden

Dr. Hoai Nguyen Nguyen

Faculty of Biotechnology, Ho Chi Minh City Open University, Ho Chi Minh City, Vietnam

Deadline for manuscript submissions

closed (30 June 2025)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/208505

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

mdpi.com/journal/plants

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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, 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

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