

Special Issue

Development of Woody Plants

Message from the Guest Editor

The topic of the development of woody plants encompasses a multifaceted exploration of various interrelated aspects. Scientists investigate the morphogenesis and growth patterns of trees, scrutinizing the influence of environmental factors such as light and soil composition on their development. Physiological processes, including photosynthesis and responses to stressors, are studied alongside the genetic regulation governing growth and differentiation. Reproductive biology, ecosystem interactions, and wood formation, with a keen eye on quality, contribute to a holistic understanding, and the exploration of biotechnological applications, including genetic engineering, aims to enhance traits. Moreover, the research addresses the critical issue of climate change resilience, investigating how woody plants adapt and strategies to mitigate environmental impacts.

Guest Editor

Prof. Dr. Jinzhi Zhang

Key Laboratory of Horticultural Plant Biology (Ministry of Education),
College of Horticulture and Forestry Science, Huazhong Agricultural
University, Wuhan 430070, China

Deadline for manuscript submissions

closed (31 October 2025)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/198553

Plants
Editorial Office
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 4.1
CiteScore 7.6
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)