Special Issue

Angiosperm Diversification and Phylogenetic Relationships

Message from the Guest Editors

Recent genomic investigations have revealed a complex history of whole-genome duplications in angiosperms. These events furnished abundant genetic material for evolution to act on. For example, in certain lineages, gene families associated with flower development experienced expansion, thereby influencing the diversity of floral forms. Nevertheless, resolving the phylogenomic relationships among angiosperms remains a formidable challenge, mainly due to ancient hybridization events and rapid evolutionary radiations. This Special Issue endeavors to explore angiosperm evolution, diversification, and genome evolution in greater depth, aiming to elucidate how genomes, genes, and gene families have evolved and how these evolutionary changes have contributed to angiosperm diversification. By integrating data from multiple genomes, we aspire to gain a more comprehensive understanding of the phylogenetic relationships and the driving forces behind angiosperm evolution.

Guest Editors

Prof. Dr. Liangsheng Zhang

1. Zhejiang Provincial Key Laboratory of Horticultural Plant Integrative Biology, College of Agriculture and Biotechnology, Zhejiang University, Hangzhou 310058, China
2. Yazhouwan National Laboratory, Sanya 572025, China

Prof. Dr. Douglas E. Soltis

Florida Museum of Natural History, University of Florida, Gainesville, FL 32611, USA

Deadline for manuscript submissions

28 February 2026

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/245055

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

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

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

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)

MDPI