



plants



an Open Access Journal by MDPI

Plant Morphology and Phylogenetic Evolution

Guest Editor:

Dr. Xin Zhang

College of Forestry, Northwest
A&F University, Yangling, China

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editor

Plant morphology is the way of people to recognize and understand plants within their environment and is one of the basic disciplines of plant biology or botany. It is the study of the physical form and structure of plants, which depends on the methodology of plant anatomy dealing with tissues, cells, and subcellular components. Exploiting the diversity and functions of plant structures could create opportunities to understand plant–environmental interactions and plant evolution. Plant morphology has been absorbed into Evolutionary Developmental Biology (Evo-Devo). This does, however, not diminish the importance and relevance of plant morphology. In addition to molecular genetics, morphology remains an integral part of Evo-Devo. Plant morphology, as a valuable discipline of EvoDevo, is set for a paradigm shift. In addition, the study of plant morphology has given us important insights into the control of plant development, structure, and function. This Special Issue of *Plants* will highlight the function, evolution, and diversity of plant morphology and evolution and in their role in the interactions of plants with their environment.



mdpi.com/si/131017

Special Issue



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 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
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)