

## Special Issue

# Biodiversity and Evolution of Tracheophytes

### Message from the Guest Editor

This Special Issue of *Plants* will be devoted to the terrestrial plants commonly referred to as Bryophytes (liverworts, mosses, and hornworts) and to our understanding of how these ancient lines evolved into the modern tracheophytes. At present, the common belief is that bryophytes are not monophyletic but are more likely to embody three paraphyletic lines (Marchantiophyta, Anthocerotophyta, and Bryophyta). Those three bryophyte lines compose the second largest group of land plants, after the most recently evolved Angiosperms. The Bryophyta are crucial to our discernment of how early land plant evolution led to development of vascular plants. Beyond their importance to phylogenetics and evolution, these three lineages perform a key role in the biodiversity of marshland, mountain, forest, and tundra ecosystems. Discussions of the evolution, biodiversity, and phylogenetics of these ancestral, terrestrial flora will help us to better appreciate how these earliest species developed physiologically, biochemically, and morphologically into the modern Tracheophytic species that surround us today.

### Guest Editor

Prof. Dr. James Campanella

Department of Biology, Montclair State University, 1 Normal Ave.,  
Montclair, NJ 07043, USA

### Deadline for manuscript submissions

closed (20 December 2022)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 6.5  
Indexed in PubMed



[mdpi.com/si/112341](https://mdpi.com/si/112341)

*Plants*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto: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, 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)