

## Special Issue

# Advances in Vegetation History and Archaeobotany

### Message from the Guest Editors

One of the most debated themes of archaeobotanical research is to find a way to quickly identify archaeobotanical remains arriving to outline distinctive characters at genus or species level. In the past two decades, to overcome the manual seed discrimination system, image morphometric and outline analysis has received considerable attention in plant research using automated systems that have the potential to replace human visual assessments. A number of examples of research testify to the importance of biometric characteristics, measured with computer vision techniques in taxonomic studies to identify plant macro-remains such as charred seeds, water-soaked seeds and charcoal of both wild and cultivated plant species. This Special Issue of *Plants* will collect archaeobotanical research on methods for the identification of archaeobotanical remains including micro- and macro-remains, charcoal wood and fossil seeds. Research works, methods, reviews and original perspectives are welcome, able to provide a clearer picture of the plant economy of the past in a new perspective.

### Guest Editors

Dr. Marco Sarigu

Centre for Conservation of Biodiversity (CCB) Department of Life and Environmental Sciences, University of Cagliari, v.le Sant'Ignazio da Laconi, 9-11, 09123 Cagliari, Italy

Dr. Mariano Uccesu

Institut des Sciences de l'Évolution (ISEM), Centre National de la Recherche Scientifique (CNRS) Université Montpellier, UMR 5554, CEDEX 05, 34095 Montpellier, France

### Deadline for manuscript submissions

30 September 2025



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/179001](https://mdpi.com/si/179001)

*Plants*  
Editorial Office  
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 4.1  
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, 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)