

## Special Issue

# Propagation and Cultivation of Medicinal Plants—2nd Edition

### Message from the Guest Editors

Medicinal plants play critical roles in human wellbeing as sources of medicines, nutraceuticals, and cosmeceuticals. Wild harvesting is no longer sustainable for many commercially important species. Thus, medicinal plant cultivation has become an integral part of a sustainable medicinal plant value chain. Large-scale cultivation requires the availability of sufficient propagules. Different factors can influence their seed propagation. In some cases, particularly for medicinal plants where the underground parts are used medicinally, the availability of propagules can present a challenge. This necessitates developing and optimizing their propagation protocols. Several cultivation practices can influence the biomass production, phytochemical content, and biological activity of cultivated plants. This Issue is expected to contribute to the current knowledge on medicinal plant propagation and cultivation. Research and review articles highlighting the influence of factors such as plant growth regulators, pruning, spacing, and other agronomic factors on propagation, biomass production, bioactive compounds, and the safety and efficacy of medicinal plants fall within this issue scope.

### Guest Editors

Prof. Dr. Stephen O. Amoo

Agricultural Research Council–Vegetables, Industrial and Medicinal Plants, Private Bag X293, Pretoria 0001, South Africa

Prof. Dr. Adeyemi Oladapo Aremu

Indigenous Knowledge Systems Centre, Faculty of Natural and Agricultural Sciences, North-West University, Mmabatho 2745, NW, South Africa

### Deadline for manuscript submissions

closed (31 January 2025)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/184948](https://mdpi.com/si/184948)

*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)