

Special Issue

Plant Phytochemicals and Therapeutic Potential

Message from the Guest Editors

Plants produce various phytochemicals with diverse biological activities. These natural compounds include polyphenols, alkaloids, terpenoids, essential oils, and others. These compounds have shown therapeutic potential in managing inflammation, metabolic disorders, skin diseases, cancer, neurological conditions, and other pharmacological effects. This Special Issue aims to highlight current advances in the discovery, bioactivity evaluation, and mechanistic understanding of phytochemicals with therapeutic relevance. We welcome original research, reviews, and short communications on the isolation, identification, and pharmacological testing of plant-based compounds, including their roles in disease prevention and treatment. Studies using in vitro and in vivo models, as well as those on traditional herbal medicines with molecular insights, are encouraged.

Guest Editors

Prof. Dr. Zhiling Yu

School of Chinese Medicine, Hong Kong Baptist University, Hong Kong, China

Prof. Dr. Milena Petkova Popova

Institute of Organic Chemistry with Centre of Phytochemistry (IOCCP), Bulgarian Academy of Sciences, Sofia, Bulgaria

Deadline for manuscript submissions

30 June 2026



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/261585

Plants

Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)