

Special Issue

Ethnobotanical and Pharmacological Study of Medicinal Plants

Message from the Guest Editors

Ethnobotany is considered an important tool for the bioprospection of new drugs by the pharmaceutical industry, and interest in it has increased dramatically over the years. The discovery of new herbal medicines and bioactive molecules based on traditional knowledge is an efficient approach to obtain both pharmacological and toxicological information from medicinal plants. The scientific validation of plant-based preparations used in folk medicine worldwide for the treatment of various diseases may involve preclinical and clinical studies. To date, only a few studies have fully investigated the chemical and pharmacological properties of traditional drug remedies. The special edition of *Plants* will highlight studies characterizing the *in vivo* or *in vitro* effects associated with folk use, plant fingerprinting, quality control, and the isolation of active substances from medicinal plants. Reviews of a specific plant family, medicinal species, or ethnopharmacological compilations of plants traditionally used in different medicinal systems are also welcome, highlighting the active compounds described and their possible mechanisms of action.

Guest Editors

Dr. Eduardo Luis Konrath

Department of Pharmaceutical Sciences, Faculdade de Farmácia, Universidade Federal do Rio Grande do Sul, Porto Alegre 90610-000, RS, Brazil

Dr. Mara Rejane Ritter

Botany Department, Postgraduate Program in Botany, Institute of Biosciences, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil

Deadline for manuscript submissions

31 December 2026



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/224209

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, and 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)