# **Special Issue**

# Chemical Characterization and Medicinal Values of Plant Natural Products

### Message from the Guest Editor

Plants have been utilized for their medicinal properties since prehistoric times, forming a longstanding tradition in disease treatment. Despite their proven effectiveness, the active ingredients and mechanisms of action of many medicinal plants are still under investigation. This complexity arises from the diverse chemical compositions and bioactivities inherent in plant species. Understanding these mechanisms is essential for optimizing their therapeutic potential and application. Therefore, this Special Issue of Plants aims to explore several critical aspects in depth. Firstly, it will focus on advancing the isolation and identification of bioactive compounds derived from medicinal plants and their endophytes, investigating their diverse biological activities and potential therapeutic uses. Secondly, this Special Issue will address the crucial need for authentication and rigorous quality control measures to ensure the efficacy and safety of medicinal plant products. Lastly, it aims to unravel the mechanisms through which these bioactive compounds exert their medicinal or beneficial effects.

### **Guest Editor**

Dr. Jiangnan Peng

Department of Chemistry, Morgan State University, Baltimore, MD 21251, USA

## Deadline for manuscript submissions

closed (30 June 2025)



# **Plants**

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/212375

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

mdpi.com/journal/plants





# **Plants**

an Open Access Journal by MDPI

Impact Factor 4.1 CiteScore 7.6 Indexed in PubMed



# **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)

