

## Special Issue

# Isolation, Diversity and Bioactivity of Plant Metabolites

### Message from the Guest Editors

Plant metabolites represent a vast and chemically diverse array of compounds that play essential roles in plant physiology and have demonstrated significant therapeutic potential in human health. This Special Issue, titled "*Isolation, Diversity and Bioactivity of Plant Metabolites*", focuses on recent advances in the identification, structural characterization, and biological evaluation of natural products derived from plants. It will highlight recent advances in phytochemical research, with an emphasis on innovative and sustainable methods for extracting and isolating secondary metabolites; elucidating their chemical structures, the chemical diversity of plant metabolites, and their ecological roles; and exploring their pharmacological properties, including antimicrobial, anti-inflammatory, antioxidant, anticancer, and other bioactivities. In addition, contributions addressing the ecological and evolutionary significance of these compounds and their roles in plant–environment interactions are also encouraged.

### Guest Editors

Dr. Claudia Finamore

Department of Pharmacy, Università degli Studi di Napoli Federico II, Naples, Italy

Dr. Carmen Festa

Department of Pharmacy, Università degli Studi di Napoli Federico II, Naples, Italy

### Deadline for manuscript submissions

30 October 2026



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/244209](https://mdpi.com/si/244209)

*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, 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)