

Special Issue

Isolation and Structure Elucidation of Plant Bioactive Compounds

Message from the Guest Editors

Plants are undoubtedly the most well-known sources of bioactive compounds, possessing both nutritional value and pharmacological properties. For centuries, plants and their mixture have been used medicinally by traditional communities for the treatment of several state of health, including anti-inflammatory, antimicrobial, antifungal, antitumor and antioxidant properties. This Special Issue intends to explore the latest finding in structural elucidation and investigation of the molecular mode of action of new and known plant-derived compounds, with interesting pharmacological activities. Particular attention will be given to environmentally friendly technologies, such as “green” extraction techniques and analytical methodologies, together to in vitro assays and/or in vivo studies to assess the bioactivity and safety of isolated compounds. The aim of this Issue is to highlight the function, evolution and diversity of plant metabolites and their role in the beneficial effects of plants as therapeutic tool.

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

closed (28 February 2025)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/206391

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)