

## Special Issue

# Phytochemical Composition and Biological Activity

### Message from the Guest Editors

A compound having some biological activity in living organisms is considered bioactive. Phytochemicals are naturally occurring bioactive plant molecules that provide humans with several health benefits. In view of this, nature is a valuable reservoir of novel bioactive compounds. Natural products have a unique chemical diversity, which results in diversity in their biological activities and drug-like properties. Those products have become one of the most important resources for developing new lead compounds and scaffolds. The prevention and/or treatment of various diseases, including diabetes, hepatitis, allergies, cancer and neurodegenerative disorders as well as health promotion in general has driven conventional and traditional medicines in the search for new phytochemicals and other natural products. Natural products will undergo continual use toward meeting the urgent need to develop effective drugs, and they will play a leading role in the discovery of drugs for treating human diseases. You are welcome to participate in this Special Issue with original research papers and reviews on Phytochemical Composition and Biological Activity.

### Guest Editors

Dr. Antonella Fais

Biomedical Unit, Department of Life and Environmental Sciences  
University of Cagliari, Campus of Monserrato, 09042 Monserrato, CA,  
Italy

Dr. Benedetta Era

Biomedical Unit, Department of Life and Environmental Sciences  
University of Cagliari, Campus of Monserrato, 09042 Monserrato, CA,  
Italy

### Deadline for manuscript submissions

closed (30 May 2023)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/132021](https://mdpi.com/si/132021)

*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, 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)