



*plants*



an Open Access Journal by MDPI

## Bioactive Compounds in Plants

Collection Editors:

**Dr. Laura Cornara**

Department of Earth,  
Environment and Life Sciences  
(DISTAV), University of Genoa,  
Corso Europa 26, 16132 Genoa,  
Italy

**Dr. Antonella Smeriglio**

Department of Chemical,  
Biological, Pharmaceutical and  
Environmental Sciences  
(CHIBIOFARAM), University of  
Messina, Via SS Annunziata,  
98168 Messina, Italy

### Message from the Collection Editors

The journal *Plants* will jointly be publishing a Topical Collection on bioactive compounds in plants. Plant secondary metabolites are receiving ever-increasing attention due to their several health properties for a multitude of applications, not only for more common uses such as those in the pharmaceutical, cosmetic, and food industries, but also as new sources of eco-friendly biopesticides. Plant secondary metabolites play an important role as defense mechanisms in response to pathogenic organisms and predatory herbivores, and may also act as herbicides by inhibiting the growth of competing plants.

This Topical Collection will focus on a multidisciplinary approach to the study of plant secondary metabolites, including micro-morphological and histochemical studies aiming to identify and characterize the site of secretion and storage of bioactive compounds in plant tissues. Moreover, extraction and chemical characterization, as well as biological properties by in vitro cell-free and cell-based assays, of phytocomplexes or their isolated bioactive compounds, will be welcome.



[mdpi.com/si/47077](https://mdpi.com/si/47077)

**Topical** Collection



# plants



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Dilantha Fernando**

Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## 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.

## 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 (*Plant Science*)

## Contact Us

---

*Plants* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)