



## Plant Phytochemicals on Crop Protection and Drug Development

Guest Editors:

**Prof. Dr. Natália Cruz-Martins**

1. Faculty of Medicine, University of Porto, 4099-002 Porto, Portugal  
2. Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho, 4710-057 Braga, Portugal

**Dr. Christophe Hano**

LBLG EA1207, INRA USC1328, University of Orleans, 21 Rue Loigny la Bataille, F-28000 Chartres, France

Deadline for manuscript submissions:

**closed (20 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

Plant-derived bioactives and their corresponding metabolites are gaining an increasing interest for clinical, pharmaceutical, cosmetic, and industrial purposes. Plants and their botanical formulations are composed of a rich pool of bioactive molecules with a plethora of potentialities and have been widely used throughout human history for multiple health affections. In this context and considering that most of these bioactive molecules—derived from the secondary metabolism of plants—are produced for the plant's own protection, increasing attention has also been paid on their use for crop protection (including biocide formulation), improving general health, and both to prevent and as a complement to the treatment of diseases in human beings.

In this sense, the present Special Issue of *Plants* welcomes original articles, reviews, commentaries, critical perspectives, and short communications on the use of plant-derived bioactives for modern drug discovery and development, crop protection, and biotechnological processes.





# *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 (Ecology, Evolution, Behavior and Systematics)

## Contact Us

---

*Plants* Editorial Office  
MDPI, Grosspeteranlage 5  
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)