

## Special Issue

# Phytochemical and Nutritional Analyses of Medicinal and Aromatic Plants (MAP)

### Message from the Guest Editors

Medicinal and aromatic plants (MAP), known as herbs or spices, and their products like extracts and essential oils (EOs), have gained importance in recent years for both medicinal and industrial uses (as natural ingredients in cosmetics or food supplements). The human uses of MAPs date back to ancient times, ethnobotany has helped to reveal the interrelation between plants and humans. The rising focus on MAPs is due to their enhancement of all life aspects, from the alleviation of physical disorders to the reduction in the use of synthetic antibiotics and increasing life expectancy. Moreover, the demand for foods with a positive impact on human health and wellness motivated the researchers on MAP studies and to seek out new species. This special issue will cover research on known and unknown cultivated or spontaneously grown medicinal and aromatic plant species (or those that come from in vitro plant cultivation), with an emphasis on their nutritional value but without overlooking the characterization of their aroma profile (spontaneous emissions and essential oils) or plant extracts, which may be obtained with new technologies.

### Guest Editors

Prof. Dr. Luisa Pistelli

Department of Pharmacy, University of Pisa, Via Bonanno 33, 56126 Pisa, Italy

Dr. Basma Najar

Department of Pharmacy, University of Pisa, Via Bonanno 33, 56126 Pisa, Italy

### Deadline for manuscript submissions

closed (10 February 2023)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/101856](https://mdpi.com/si/101856)

*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)