



## Analysis of Phytochemicals and Nutritional Characterizations of Food Plants

Guest Editors:

**Dr. Sonia Carabetta**

Department of Agricultural  
Science, Mediterranean  
University of Reggio Calabria,  
Località Feo di Vito, 89122 Reggio  
Calabria, RC, Italy

**Dr. Rosa Di Sanzo**

Department of Agricultural  
Science, Mediterranean  
University of Reggio Calabria,  
Località Feo di Vito, 89122 Reggio  
Calabria, RC, Italy

Deadline for manuscript  
submissions:

**30 November 2024**

### Message from the Guest Editors

Dear Colleagues,

The analysis of Phytochemicals and Nutritional Characterizations of Food Plants is one of the current research areas that has attracted a great deal of attention over the years.

Phytochemicals are plant-based bioactive compounds derived from various sources, have great antioxidant potential and are of great interest due to their beneficial effects on human health.

The goal of this Special Issue of *Plants* is to provide insightful and critical advances on the chemical composition of human foods, analytical methods, Nutritional Characterizations data, quality control procedures and statistical treatments of the data, studies on the manipulation, storage, and use of food with increasing emphasis on phytochemicals components. Topics of interest include, but are not limited to:

- Analysis of bioactive constituents in food
- Nutritional Characterizations of Food plants
- Analysis of phytonutrients, and nutraceuticals in foods
- New methods for the chemical analysis of food plants
- Nutrient, bioactive non-nutrient and anti-nutrient components in food
- Food composition database development, management, and comparison





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)