

Special Issue

Antioxidant Activity of Medicinal and Aromatic Plants

Message from the Guest Editors

Medicinal and aromatic plants have been used worldwide in folk medicine or as food preservatives throughout human history; however, for most plant species, there is still a scarce scientific basis that relates their chemical composition with specific therapeutic effects, including antioxidant activity. Some scientific advances have allowed the understanding of the functional and medicinal relevance of this type of plant. They include biological, physicochemical, and functional characterization; applying botanical pharmacognosy and statistical tools to optimize the extraction of antioxidant compounds; drug delivery to improve bioavailability; metabolomics to study phytochemicals; and plant tissue culture as a sustainable management strategy.

This Special Issue of *Plants* will highlight the exploration of medicinal and aromatic plants used in different regions of the world as sources of antioxidant compounds, based on their phytochemistry, metabolomics, plant tissue culture, extraction conditions, drug delivery, and botanical pharmacognosy.

Guest Editors

Dr. Angélica Román-Guerrero

Departamento de Biotecnología, Metropolitan Autonomous University, Iztapalapa Campus, Av. Ferrocarril de San Rafael Atlixco 186, México City 09310, Mexico

Dr. Maria Elena Estrada-Zuñiga

Research Center in Biotic Resources, Faculty of Sciences, Autonomous University of the State of Mexico, Toluca City 50295, Mexico

Deadline for manuscript submissions

closed (20 October 2023)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/101031

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)