

Special Issue

Advances in Plant Essential Oils

Message from the Guest Editors

Essential oils (EOs) obtained from plants have several and important applications in the pharmaceutical, food, cosmetic and agricultural industries. These oils are complex mixtures of natural products produced by plants of medicinal or nutritional importance, with variable yields depending on the extraction methods. The chemical composition of EOs is diverse and characteristic of each plant species. Plants' EOs are appreciated for their aroma and flavor as well as for the important biological activities that they display, such as antibacterial, antioxidant, antifungal, antiparasitic, antiviral, enzyme inhibition and insecticide, among others.

Regarding the biological activity of EOs, every day, new advances are reported in the literature that confirm the potential usefulness of these complex mixtures of metabolites against new targets.

This Special Issue aims to provide a general overview of the latest advances that might help to fully exploit the rich chemical diversity and biological applications of the valuable EOs produced by plants. Original research articles and specialized critical reviews exploring these advances are welcome.

Guest Editors

Dr. Ana Paula Murray

INQUISUR, Departamento de Química, Universidad Nacional del Sur (UNS)-CONICET, Bahía Blanca B8000CPB, Argentina

Dr. Jorge Omar Werdin Gonzalez

INBIOSUR, Departamento de Biología, Bioquímica y Farmacia, Universidad Nacional del Sur (UNS) – CONICET, Bahía Blanca B8000CPB, Argentina

Deadline for manuscript submissions

closed (30 January 2024)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/176909

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)