

Special Issue

Advances in Essential Oils from Medicinal Plants

Message from the Guest Editors

Essential oils are sources of valuable compounds of a large variety of traditional applications. The huge diversity of terpenes, exceeding more than 30,000 compounds, attracts attention to essential oils, in the component composition of which they are principal constituents. This constituent variability also determines a wide range of pharmacological activities, including antiseptic, revulsive, cooling, local anesthetic, anti-inflammatory, expectorant, appetite-stimulating, cholagogue and choleric, diuretic, and sedative, in dermatological and inhalation preparations, in aromatherapy, as flavoring agents in pharmaceutical manufacture, in perfumery and cosmetics, in the manufacture of soaps and detergents, and in the food (spices), alcohol, and tobacco industries. Of particular interest for this Special Issue are essential oils from endemic plants. Submissions are invited on related topics that include, but are not limited to:

- The chemical analysis of essential oils obtained from endemic plants;
- The histochemical analysis of essential oil-bearing plants;
- The biological activity of essential oils;
- Essential oils as a "green" alternative of pesticides.

Guest Editors

Prof. Dr. Milen I. Georgiev

Dr. Stanislava Ivanova

Dr. Cédric Delattre

Deadline for manuscript submissions

closed (20 January 2025)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/167401

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)