



Extraction Processes of Essential Oils and Their Promising Biological Activities

Guest Editors:

**Prof. Dr. Ahmed Mohamed
Abd-ElGawad**

Department of Botany, Faculty of
Science, Mansoura University,
Mansoura 35516, Egypt

Dr. Yasser A. El-Amier

Department of Botany, Faculty of
Science, Mansoura University,
Mansoura 35516, Egypt

Deadline for manuscript
submissions:

17 August 2024

Message from the Guest Editors

In this Special Issue, we invite investigators to contribute research articles on the extraction and characterization of essential oils from plants, microbes, and animals as well as their potential biological activities.

Topics of interest include but are not limited to the those listed below.

- Extraction techniques of essential oils from natural resources.
- Isolation, identification, and characterization of essential oil composition.
- Antimicrobial and antiviral activities of essential oils.
- Antioxidant, allelopathic, insecticidal, and anti-inflammatory activities of essential oils.
- Factors affecting the composition of the essential oil in plants.
- Modes of action of essential oil compounds in biological activities.

Metabolic pathways engineering of essential oil.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)