

Special Issue

Isolation and Utilization of Essential Oils: As Antimicrobials and Boosters of Antimicrobial Drug Activity

Message from the Guest Editors

This Special Issue on “Isolation and Utilization of Essential Oils: As Antimicrobials and Boosters of Antimicrobial Drugs Activity” aims to curate novel advances in the development and application of essential oils as antimicrobial agents via combinatorial and nano-based approaches. Topics include but are not limited to:

- The use of essential oils to prevent the emergence of antimicrobial resistance, to enhance the efficacy
- Combination therapy associating conventional antimicrobial drugs and essential oil constituents as a promising strategy in overcoming antimicrobial resistance;
- The mechanisms underlying antimicrobial enhancing or antimicrobial resistance reversal effects of essential oils constituents;
- Small-scale formulations as an efficient approach to improve solubility, stability, and to provide controlled-release delivery of essential oils and to boost their antimicrobial activity against different pathogens;
- Antimicrobial activity of drug delivery systems encapsulating essential oil compounds, with emphasis on their preparation methods and characteristics, benefits, mechanisms of action, and biocompatibility issues.

Guest Editors

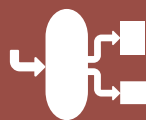
Dr. Elwira Sieniawska

Prof. Greige-Gerges Helene

Dr. Adriana Trifan

Deadline for manuscript submissions

closed (30 November 2021)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/42973

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

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.

Editor-in-Chief

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

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:

CiteScore - Q2 (Chemical Engineering (miscellaneous))