

Special Issue

Essential Oils: Pharmacological Activities and Potential Use As Therapeutic Agents

Message from the Guest Editors

Nature is an important source of bioactive products that can be used to benefit human health. In this context, essential oils and their chemical constituents prove to be promising compounds in biological and pharmacological tests as well as in clinical studies.

There are a large number of scientific reports concerning their therapeutic potential, such as their anti-anxiety, antidepressant, anticonvulsant, anti-diabetic, and anti-ulcer properties. Now, the importance of these metabolites is being highlighted in the search for new drugs. Therefore, the purpose of this Special Issue is to discuss the contribution of essential oils and their constituents in the discovery of new bioactive chemical agents with potential application in prevention treatments and pharmacotherapeutic approaches against pathologies. The establishment of possible mechanisms of action at the molecular, cellular, and animal levels, and the correlation of the chemical composition of these oils and their biological properties is recommended.

Guest Editors

Dr. Diogo Vilar Da Fonsêca

College of Medicine, Federal University of the Vale do São Francisco,
Paulo Afonso CEP 48607-190, BA, Brazil

Prof. Dr. Damião Pergentino De Sousa

Department of Pharmaceutical Sciences, Federal University of
Paraíba, João Pessoa 58051-970, Paraíba, Brazil

Deadline for manuscript submissions

closed (31 July 2024)



Biomedicines

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/186865

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

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





Biomedicines

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).