

Special Issue

Therapeutic Potential of Natural Compounds: In Vitro and In Vivo Approaches

Message from the Guest Editors

Natural compounds derived from plants, animals, and microorganisms have long been recognized for their diverse pharmacological properties. Many researchers have investigated the therapeutic potential of selected natural compounds through comprehensive in vitro and in vivo evaluations in order to assess the efficacy and safety of these compounds in various disease models. As revealed by various search engines, the number of studies containing the keywords 'medicinal plants,' 'natural compounds,' and 'phytochemicals' is growing annually. The aim of this Special Issue is to disseminate the latest findings regarding the identification of new plant sources with therapeutic potential, along with phytochemical characterization and biological evaluation, identification of new biological activities of plant extracts or pure active phytochemicals, identification of extracts or pure isolated phytocompounds with synergistic action and associated mechanism of action, physico-chemical modulation and evaluation of bioactive phytochemicals, nutraceuticals, and cosmeceuticals of natural origin. As , we welcome experimental/clinical research papers and in-depth reviews.

Guest Editors

Prof. Dr. Corina Danciu

Prof. Dr. Nijole Savickienė

Prof. Dr. Vanessa Steenkamp

Deadline for manuscript submissions

closed (31 October 2024)



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

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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

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