



Research of Bioactive Substances in Plant Extracts

Guest Editor:

Dr. Francesca Pintus

Department of Sciences of Life and Environment, University of Cagliari, Monserrato, Cagliari, Italy

Deadline for manuscript submissions:

closed (28 February 2022)

Message from the Guest Editor

Plant natural compounds represent an ever-increasing topic of research interest. Most of them are bioactive molecules with a broad range of biological properties. These include anticancer, antimicrobial, antiviral, anti-amyloidogenic, anti-inflammatory, and other biological activities.

To exert their effect, they could bind to specific enzymes and modulate their activity. Due to the important role of enzymes in several diseases' pathogenesis, they represent targets for therapeutic intervention strategies. Thus, discovery of enzyme modulators is an interesting research area in the biochemistry and drug design field. Several plant extracts or plant-derived compounds are already reported to be inhibitors of tyrosinase, cyclooxygenases, MAOs, cholinesterases, amylase, and glycosidase, which are involved in pigmentation, inflammation, Alzheimer's disease or diabetes.

The aim of this Special Issue is to highlight the newest discoveries in plant extract products and focus attention on the beneficial biological effects of plant extracts or plant-isolated compounds; their potential application in disease treatment and health promotion will also be of particular interest.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

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 (*Plant Science*)

Contact Us

Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)