



Biological Activities of Plant Extracts

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Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

From time immemorial, plant extracts and essential oils from plants have been used for therapeutic purposes. Bioactive phytochemicals from plants can limit or regulate the imbalance generated by reactive oxygen species that can lead to inflammatory, immune, metabolic dysfunctions, or appearance of tumors.

Anti-inflammatory properties of certain plant extracts are exploited to fight pathogens, bacteria, fungi, and viruses, which is of particular importance as it is known that an important problem in human health today is represented by resistance to conventional drugs.

Herbal extracts are an important source of antioxidants and anti-inflammatory compounds, and currently, many studies are being conducted in order to identify their mechanism of action.

You are welcome to participate in this Special Issue with original research papers and reviews on the biologic activity of plant extracts, with the following topics: anti-inflammatory, antioxidant, antidiabetic, anti-aging, antitumor, antiviral, antiallergic, or antimicrobial properties of plant extracts, as well as the mechanisms involved in these therapeutic actions.

Prof. Dr. Rodica-Mihaela Dinică

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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.

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