

Special Issue

Chemical Composition and Biological Activities of Plant Extracts

Message from the Guest Editor

Plants contain a wide variety of chemical compounds, such as alkaloids, flavonoids, terpenoids, and phenols, among others. These compounds can have beneficial effects on human health, such as antioxidant, antimicrobial, anticancer, anti-inflammatory, and neuroprotective properties. Studying the chemical composition of plant extracts can help identify and isolate new bioactive compounds with therapeutic potential. They can be used in medicines or serve as a basis for developing more effective and safer drugs. Additionally, plant extracts can provide alternatives to synthetic chemicals, which can be beneficial for those who prefer natural treatments. Moreover, studying the chemical composition of plant extracts can help identify compounds with insecticidal, fungicidal, or herbicidal properties, thereby contributing to the development of safer and environmentally friendly methods for pest and disease control in agriculture. This Special Issue aims to contribute to the available literature on the current potential of plant extracts to advance science, medicine, and agriculture, and to open new opportunities for the development of safer and more sustainable therapies and products.

Guest Editor

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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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