

Special Issue

Plant Derivatives and Their Pharmaceutical Potential

Message from the Guest Editor

In the pharmaceutical domain, plant-derived chemicals, extracts and their derivatives are bioactive compounds with medicinal activity. Drug discovery/development from plants can follow either a targeted approach or a traditional use/folklore approach. The latter refers to plants used for eons by a community, where the use has been passed down from generation to generation.

Plant-derived medications are the preferred choice for many cultures due to their long history of clinical use, better patient tolerance and acceptance because of their natural origin. A targeted approach involves screening plants that contain specific groups of compounds for biological activity. Phytochemical compounds include phenylpropanoids, alkaloids, quinones, terpenoids and steroids. Plants consist of a mixture of both primary and secondary metabolites, many of which have been demonstrated to exhibit anticancer, antiviral, antimicrobial and anti-inflammatory activities, among other types. This Special Issue will focus on plant derivatives (phytochemicals) and their associated, proven medicinal activity, supported by mechanism of action/s of the isolated compound/s.

Guest Editor

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About the Journal

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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