

Special Issue

Chemical Characterization and Medicinal Values of Plant Natural Products

Message from the Guest Editor

Plants have been utilized for their medicinal properties since prehistoric times, forming a longstanding tradition in disease treatment. Despite their proven effectiveness, the active ingredients and mechanisms of action of many medicinal plants are still under investigation. This complexity arises from the diverse chemical compositions and bioactivities inherent in plant species. Understanding these mechanisms is essential for optimizing their therapeutic potential and application. Therefore, this Special Issue of *Plants* aims to explore several critical aspects in depth. Firstly, it will focus on advancing the isolation and identification of bioactive compounds derived from medicinal plants and their endophytes, investigating their diverse biological activities and potential therapeutic uses. Secondly, this Special Issue will address the crucial need for authentication and rigorous quality control measures to ensure the efficacy and safety of medicinal plant products. Lastly, it aims to unravel the mechanisms through which these bioactive compounds exert their medicinal or beneficial effects.

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, and 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

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