

Special Issue

The Medicinal Value of Plant Extracts

Message from the Guest Editors

In recent years, the consumption of bioactive compounds derived from medicinal plants has increased significantly, with many marketed as nutraceutical products. Although various studies have demonstrated their pharmacological activity, there remains a critical need to investigate their molecular mechanisms and to assess their efficacy and safety in the short, medium, and long term. From an ethnopharmacological perspective, numerous plant species are traditionally used for their therapeutic potential; however, most lack robust scientific evidence to support their effects at the molecular level. Therefore, continued preclinical and clinical research on these compounds is essential. This Special Issue aims to compile relevant scientific information to document and validate the medicinal value of plant-based therapies. We welcome studies that evaluate the pharmacological and toxicological activities of isolated bioactive compounds, as well as research exploring their mechanisms of action using *in vitro*, *in situ*, or *in vivo* models.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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