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

Dr. Myrna Déciga-Campos

Sección de Estudios de Posgrado e Investigación, Escuela Superior de Medicina, Instituto Politécnico Nacional (IPN), Ciudad de México 11340, Mexico

Prof. Dr. Rosa Ventura-Martínez

Departamento de Farmacología, Facultad de Medicina, Universidad Nacional Autónoma de México, México City, México

Deadline for manuscript submissions

31 January 2026



International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/250335

International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

mdpi.com/journal/ ijms





International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

