



plants



an Open Access Journal by MDPI

Extraction, Characterization and Biological Activity of Natural Products

Guest Editors:

Dr. Aleksandra Cvetanović Kljakić

Faculty of Technology,
University of Novi Sad, Bulevar
cara Lazara 1, 21000 Novi Sad,
Serbia

Dr. Linlin Yan

Institute of Chemical Industry of
Forest Products, CAF, Nanjing
210042, China

Deadline for manuscript
submissions:

closed (15 April 2023)

Message from the Guest Editors

Natural products are widely used in many branches of industry, especially in the pharmaceutical, cosmetic, and food industries. And research regarding the isolation mechanisms of bioactive molecules has intensified. More research is being conducted with the aim to determine their bioactivity in vitro and in vivo, but also to elucidate their action mechanism. It is important to determine the potential toxicity of natural bioactive compounds, as well as toxic doses, but also their metabolism in a living organism. In addition to biological characterization, their chemical characterization is of great importance, and research is intensifying in the field of development of analytical methods for their reliable detection, identification, and quantification. Due to the exceptional importance of natural bioactive compounds, there is a growing interest in finding alternative sources of potential biomolecules, so that waste from the agroforestry, agriculture, and food sectors is recognized as their potential source, positively related to ecology and environmental protection. Furthermore, new efficient and environment-friendly extraction solvents or technologies should be developed.



mdpi.com/si/120071

Special issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

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, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)