



life



an Open Access Journal by MDPI

Natural Compounds of Plants: Bioactivity, Defense and Environmental Significance

Guest Editors:

Dr. Paula Batista-Santos

Forest Research Centre, Linking Landscape, Environment, Agriculture and Food (LEAF), Instituto Superior de Agronomia, Universidade de Lisboa, Tapada da Ajuda, 1349-017 Lisbon, Portugal

Dr. Helena Trindade

cE3c-Centre for Ecology, Evolution and Environmental Changes & CHANGE-Global Change and Sustainability Institute, Faculdade de Ciências da Universidade de Lisboa, Campo Grande, 1749-016 Lisbon, Portugal

Deadline for manuscript submissions:

closed (31 January 2024)

Message from the Guest Editors

Plants are an extraordinary source of diverse chemical compounds, each possessing unique properties that influence their survival and interaction with the environment.

The bioactivity of various plant-derived compounds sheds light on the potential applications of these natural substances.

Discoveries into the role of secondary metabolites in plant defense mechanisms highlight the pivotal role of natural compounds in plant survival and adaptation.

This Special Issue also provides invaluable insights for agricultural communities seeking innovative and sustainable approaches to meet the global food demands of the future. This exploration highlights the importance of preserving biodiversity and promoting sustainable practices that recognize the essential contributions of natural compounds to ecological balance.

In this Special Issue, we welcome original and innovative research and review articles that focus on the latest advancements in understanding the complexities of plant natural compounds and their significance in various domains. Please provide detailed data on the chemical composition of the studied extract material (TLC, HPLC, GC, MS or NMR).



mdpi.com/si/181021

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)