

Special Issue

Natural Compounds of Plants: Bioactivity, Defense and Environmental Significance

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).

Guest Editors

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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.

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