

Special Issue

Plant-Derived Bioactive Compounds: Extraction, Isolation, Biological Activities and Therapeutic Potential

Message from the Guest Editors

Natural compounds derived from plants have long played a central role in traditional medicine and modern drug discovery. Advances in extraction techniques, structural elucidation, and analytical methodologies have greatly expanded the understanding of these molecules, providing valuable insights into their chemical diversity and mechanisms of action. This Special Issue on “Plant-Derived Bioactive Compounds: Extraction, Isolation, Biological Activities and Therapeutic Perspectives” aims to highlight recent progress in the isolation, identification, and bioactivity evaluation of natural plant-derived compounds, as well as their potential applications in the prevention and treatment of human diseases. We welcome original research articles, reviews, and short communications that address, but are not limited to:

- Novel extraction and purification methods for natural plant compounds;
- Structural characterization and analytical approaches;
- Biological activities and pharmacological mechanisms;
- Applications in drug development, nutraceuticals, and functional foods;
- Obtention of semisynthetic derivatives.

Guest Editors

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About the Journal

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, and 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.

Editor-in-Chief

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