



New Insights in the Research of Bioactive Compounds from Plant Origin with Nutraceutical and Pharmaceutical Potential

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Message from the Guest Editors

Dear Colleagues,

Plant bioactive compounds are essential for human health owing to their multiple biological effects, such as antioxidant, anticarcinogenic, antiallergenic, anti-inflammatory, antimutagenic, and antimicrobial activities leading to beneficial effects on various noncommunicable diseases, such as autoimmune, inflammatory, cardiovascular, cancer, metabolic, and neurodegenerative diseases. Identifying these components and establishing their beneficial health effects are extremely active areas of scientific inquiry. The screening of natural sources for novel biologically active metabolites has been an essential part of several drug discovery programs.

This Special Issue aims to present recent developments in high-throughput and efficient analytical approaches enabling identification of plant-based compounds, the establishment of new protocols for evaluation of *in vivo* and *in vitro* bioactivities, and methods for extraction, isolation, and structural characterization of new bioactive components with nutraceutical and therapeutic potential.





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Message from the Editor-in-Chief

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