



Sustainable Use of Bioactive Compounds: Green Approaches Towards Healthier Outcomes

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Message from the Guest Editors

Bioactive compounds possess significant therapeutic and nutritional potential with various pharmaceutical, food, and cosmetic applications. Sustainable use of bioactive compounds ensures a positive impact on the environment and, at the same time, on health outcomes. The United Nations' primary sustainable goals have made green extraction techniques more and more relevant in promoting ecologically acceptable activities that do little or no harm to humans. Employing and optimizing green extraction techniques can maximize the yield of bioactive compounds while making the process more efficient, faster, energy-saving, and free from toxic organic solvents, resulting in bioactive compounds that are safer for consumption. By-products from plant processing, usually discarded as waste, represent promising sources of valuable bioactive compounds. Their utilization can minimize environmental impact while enhancing resource efficiency. In this context, this Special Issue aims to gather high-quality original research articles and review papers that contribute to understanding and advancing sustainable approaches in bioactive compounds.





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