



Bioactive Compound Levels of Medicinal Plants

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Message from the Guest Editor

Plants synthesize various bioactive compounds, including phenolic, flavonoids, caffeine, and carotenoids, many of which are important drug ingredients. Additionally, plant-based foods are significant sources of vitamins, minerals, and bioactive compounds on which human metabolism is also dependent.

Thus, research on plant-based bioactive compounds has grown due to their association with a number of biological activities. Moreover, these compounds play different functions in plants themselves, including in pollination systems, UV light protection, protection against pathogens and diseases, and plant adaptation to different growth conditions.

Recognizing the growing interest in this area, the present Special Issue aims to serve as a comprehensive collection of recent research achievements in the bioactive compounds of important medicinal plants and their applications. The scope of this project also includes research works using in vitro and in vivo experiments to identify health benefits and potential applications, as well as alternatives in the prevention or treatment of disease.





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Message from the Editor-in-Chief

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