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BIOACTIVE PHYTOCOMPOUNDS

New Approaches in the Phytosciences

Bioactive Phytocompounds play a key role in high-value product development in the chemical industry. Bioactive compounds have been identified from diverse sources and their therapeutic benefits, nutritional value and protective effects in human and animal healthcare have underpinned their application as pharmaceuticals and functional food ingredients. The orderly study of bioactive products and the exploration of potential biological activities of these secondary metabolites, including their clinical applications, standardization, quality control, mode of action and potential bimolecular interactions, have emerged as one of the most exciting developments in modern natural medicine. Bioactive natural products are a rich source of novel therapeutics. Thus, the search for bioactive molecules from nature continues to play an important role in fashioning new medicinal agents. Biochemistry/pharma chemistry of Bioactive Phytocompounds describes the current stage of knowledge on the extraction, purification and characterization of these from plants, microbial, algal and vegetable sources. In addition, the molecular approach for screening bioactive phytocompounds is also discussed, as well as examples of applications of these compounds on human health.

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