Special Issue

Bioactive Molecules from Plants: Discovery and Pharmaceutical Applications

Message from the Guest Editors

Plants have historically proven their value as a source of bioactive molecules with pharmaceutical potential. Due to an increasing demand for chemical diversity in pharmaceutical screening programs, the identification of novel therapeutic drugs from natural sources represents an interesting approach. Indeed, plants are extremely rich sources of bioactive molecules useful for a multitude of applications in the fields of biomedicine, cosmetics, and the food industry. The focus of this Special Issue is on the identification, extraction, purification, characterization and formulation of novel bioactive molecules from plants. Topics include but are not limited to: Bioactive compounds as supplements for functional foods and cosmetics; Novel molecules with antioxidant properties; Bioactive compounds targeting cell survival and cell signaling pathways; Novel protein and non-protein protease inhibitors from plants; Bioactive molecules with anti-bacterial, anti-fungal, or antiviral properties; Compounds with immunomodulatory effects.

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