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Plant-Derived Natural Compounds as Bioactive Molecules with Beneficial Effects on Human Health

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Message from the Guest Editor

A strong correlation between natural compounds and health status has been assumed by modern populations. Moreover, the use of non-synthetic drugs can, in some cases, avoid certain disadvantages linked to conventional pharmaceuticals. Accordingly, research on vegetal compounds has exponentially increased over the last few decades. These investigations must cover raw materials selection (including by-product revalorization), extraction, analytical and biochemical techniques, and biological activity tests that include in vitro and animal models but also require validation through clinical trials. Numerous plant-based nutraceuticals and drugs have been designed and evaluated, encouraging further investigation to finally integrate these products with conventional medicaments and thus obtain healthy alternatives. Therefore, the aim of this Special Issue is to investigate the latest findings and insights related to the study of vegetal bioactives, plant nutraceuticals, and drugs (including extraction and biochemical and biological activity analyses); identify current limitations; and elucidate future perspectives.



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Special Issue



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