

Joint Special Issue

Chemistry, Biology, and Pharmacology of Natural Phenolic Compounds and Their Synthetic Derivatives

Message from the Guest Editor

Natural (poly)phenolic compounds have attracted much interest in the scientific community due to their diverse biological activities and been acknowledged to have antioxidant, anti-inflammatory, anticarcinogenic, antimicrobial, antihypertensive, antidiabetic, cardio-protective, hepato-protective, and many other activities. Thus, these compounds possess significant potential in the prevention and treatment of numerous diseases as well as a relevant role in the maintenance of human health. To date, numerous synthetic derivatives of natural phenolic compounds have been prepared to obtain or enhance a selected biological activity and improve their pharmacokinetic properties. Due to the pharmaceutical and nutraceutical significance of natural and synthetic phenolic compounds, the aim of this Special Issue is to present a collection of the most recent contributions regarding their chemistry, biology, and pharmacology with emphasis on novel findings describing their key in vitro and in vivo health-beneficial effects.

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