

Special Issue

Advances in Bioactive Glucosinolates and Derivatives

Message from the Guest Editor

Glucosinolates are bio-relevant thiosaccharidic secondary metabolites present in a large number of plants, mainly of the order Brassicales, including common leaf and root vegetables, oilseed and ornamental crops cultivated worldwide. The occurrence of glucosinolates coincides with the presence of specific thioglucosidases, the myrosinases, which can hydrolyze these compounds into a variety of reactive transient and stable products, some of which have noteworthy bioactive properties. This Special Issue welcomes papers covering all aspects of glucosinolates and their derivatives, including: their screening in different wild and cultivated plant species; their isolation, enrichment and enzymatic transformation; their chemical synthesis, modification and characterization; the evaluation of their in vitro and in vivo bioactivity; the elucidation of their mechanisms of action; and the investigation of their stability and functionality for their potential practical application in different fields.

Guest Editor

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