Special Issue

Biological Activities of Plant Secondary Metabolites

Message from the Guest Editor

Medicinal plants have historically played an important role as a source of new drugs. Renewed scientific interest in plant secondary metabolites for drug discovery and for treating important pathologies is evident from the analysis of publications trends in several scientific databases and from the impact on the public health policies. In this scenario, the study of the biological activity of plant derivatives, often due to the synergistic interactions of several active molecules, becomes crucial in the fight against serious diseases, such as cancer, whose cause is always multi-factorial. In light of these premises, this Special Issue aims to collect contributions on potential of plant secondary metabolites for health applications, through the chemical characterization of standardized extracts, single compounds and their mixtures, their biological activities, such as cytotoxicity against microorganisms and human cell lines, antimicrobial, antifungal, antioxidant, anti-inflammatory effect and safety properties, such as genotoxicity and/or geno-protection.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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