Special Issue

From Natural Polyphenols to Synthetic Bioactive Analogues

Message from the Guest Editor

In recent years, phenolic compounds from plant sources, commonly referred to as 'plant polyphenols', have been the subject of an impressive number of research studies, to a large extent focused on the healthy properties attributed to diet polyphenols, including antioxidant, anti-inflammatory, antineoplastic, antidiabetic, neuroprotective, and other biological activities. Additionally, phenolic compounds isolated from toxic plants and showing cytotoxic or antiproliferative activity have been intensively investigated in view of a possible exploitation of their anticancer properties. Finally, synthetic compounds inspired to a natural scaffold may also show new and unexpected biological properties. Thus, this Special Issue aims to highlight the most recent results both in the field of natural polyphenols and in that of their synthetic bioactive analogues. Original articles, as well as reviews, regarding studies on analogues of flavonoids, stilbenoids, curcuminoids, lignans, neolignans and polyphenol-derived compounds are welcome.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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