Special Issue

Natural Bioactives in Anti-Obesity Therapy

Message from the Guest Editors

Recently, natural products are popular on the anti-obesity market. More and more research addresses finding natural bioactives from dietary or herbal plants that prevent or control obesity via a chemopreventive strategy. Many dietary bioactives isolated from fruits, vegetables and edible plants, such as anthocyanins from blueberries, epigallocatechin gallate (EGCG) from green tea, nobiletin from citrus peel, and curcumin from turmeric, resveratrol and pterostilbene from berries have been reported for their anti-obesity ability in vivo or in vitro. These natural compounds can decrease fat accumulation through inhibiting adipocyte differentiation, adipogenesis, decreasing triacylglycerol level in high-fat-diet-induced obesity animal models by enhancing lipolysis or reducing lipogenesis pathways. Research articles or reviews covering all kinds of natural compounds, such as polyphenols, stilbenes, alkaloids, terpenoids, tannins, saponins, glycosides, flavonoids, or derivatives, and their possible mechanisms for reducing fat accumulation or helping to control obesity and obesity related diseases are welcome for inclusion in this Special Issue of *Molecules*.

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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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