

Special Issue

Silymarin and Derivatives: From Biosynthesis to Health Benefits

Message from the Guest Editor

Numerous epidemiological studies show that some nutrients may protect against vascular diseases, cancers, degenerative diseases, and associated inflammatory effects. Among these compounds, flavonolignans are a family of natural products present in plants, composed of a flavonoid moiety and a phenylpropanoid or lignan part, that could contribute to the development of new strategies to fight various modern pathologies. In this context, one of the most important compounds among flavonolignans is silymarin which is extracted from milk thistle seeds and could act as a chemopreventive compound or a therapeutic adjuvant. This Special Issue will cover areas related to the biosynthesis of silymarin and its derivatives, its bioavailability, and its health benefits. More particularly, this Special Issue will highlight the biological properties of silymarin and its derivatives in major fields in terms of public health, including cardiovascular diseases, cancers, and inflammatory and immune pathologies.

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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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