

Special Issue

Recent Advances in Biological Properties of Natural Products, for Age-Related Diseases

Message from the Guest Editor

The purpose of the Special Issue on “Recent Advances in Biological Properties of Natural Products for Age-Related Diseases” is to draw researchers’ attention to the usefulness of natural compounds in the prevention and treatment of diseases related to aging, with particular consideration to the treatment of diabetes mellitus, atherosclerotic processes, and neurodegenerative diseases. Numerous pathways lead to aging, including increased oxidative stress, metabolism dysfunction, deregulated autophagy, telomere shortening, mitochondrial dysfunction, and inflammation. One mechanism of age-dependent pathologies is the accumulation of non-enzymatic glycosylation products of proteins, DNA, and lipids, with the formation of advanced glycation end products (AGEs). This Special Issue concerns natural compounds and their derivatives affecting aging-related diseases, focusing on their properties in both in vitro and in vivo experimental models.

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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