

Special Issue

Bioactive Compounds and Small Molecules with Neuroprotective and Anti-Inflammatory Functions

Message from the Guest Editor

Most neurodegenerative diseases are defined as complex multifactorial disorders, with genetic and environmental factors greatly contributing to their onset. The relevance of lifestyle, including diet and exercise, has been associated with improved learning and memory capacity, delayed age-related cognitive decline, and a reduced risk of neurodegeneration. The bioactive compounds and small molecules found in food exhibit beneficial effects, such as antioxidant, anti-inflammatory, and neuroprotective. Supplementation with bioactive compounds is a valuable tool for strengthening neuroprotection and preventing inflammatory diseases. Therefore, there is increasing interest in identifying nutrients or dietary treatments that are neuroprotective and anti-inflammatory. This Special Issue, entitled “Bioactive Compounds and Small Molecules with Neuroprotective and Anti-Inflammatory Functions”, welcomes the submission of both original research manuscripts and reviews concerning the in vitro and in vivo biological effects of bioactive foods and small molecules and their potential therapeutic applications in neuroprotection and inflammatory diseases.

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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