

Special Issue

Natural Compounds in Neurological Diseases

Message from the Guest Editors

Neurological diseases or disorders are diseases of the central and peripheral nervous system. Still, the burden of neurological diseases is widely unrecognized. In recent years, a lot of scientific proof has been collected pointing out that the immune system interacts with most neurological disorders. Neuroinflammation comprises inflammation-like processes inside the parenchyma of the central nervous system. Inflammatory responses mediated by brain cells, microglia, and astrocytes, may lead to neuronal damage contributing to the development of neurological morbidities. Therapeutic approaches aiming to modulate microglia and astrocyte activation may be beneficial to mitigate the progression of neurological diseases. Natural products offer an opportunity to discover new compounds that can be converted into drugs given their chemical structure diversity. This Special Issue will address some of the main current research on the role of natural compounds in neurological diseases, with particular interest in the ones that explore the inflammatory-mediated responses.

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Deadline for manuscript submissions

closed (31 August 2024)



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CiteScore 8.6
Indexed in PubMed



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As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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