

Special Issue

Naturally Occurring Bioactive Compounds, Neuroinflammation and Cognitive Dysfunction: Molecular and Biochemical Mechanisms

Message from the Guest Editor

- Anti-neuroinflammatory potential of medicinal plants, foods and natural compounds, and an assessment of different inflammatory markers and pathways in the central nervous system.
- The impact of medicinal plants and naturally occurring bioactive compounds on microglia in different experiment models.
- Association between neuroinflammatory mechanisms and memory impairment or neurobehavioural deficits, and the identification of natural compounds and medicinal plants and foods that can therapeutically prevent or mitigate cognitive deficit and behavioural dysfunction.
- Effect of plants and natural compounds on cognitive and neurobehavioural deficits using several paradigms.
- Molecular and biochemical mechanisms of the memory-enhancing effects of medicinal plants and natural compounds, targeting the expression of genes, proteins and molecular pathways, biochemical markers, neurotransmitters, etc.
- The role of medicinal plants, plant foods and bioactive compounds as antioxidants, and their contributory effects to neuroinflammation, cognitive impairment and behavioural deficit.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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