

Special Issue

Natural Bioactives in the Arsenal Against Neurological and Neurodegenerative Disorders Towards Healthy Ageing

Message from the Guest Editor

Advanced ageing of our modern society is the primary risk factor for the development of most neurodegenerative diseases. A key factor in neurodegenerative diseases like Alzheimer's and Parkinson's is oxidative stress. Excess reactive oxygen species (ROS) can damage cellular components like proteins, lipids, and DNA. This contributes to mitochondrial dysfunction and the buildup of misfolded proteins, leading to cellular dysfunction and ultimately to neuronal cell death. Additionally, oxidative stress can trigger an inflammatory response in the brain, further damaging brain tissue.

This Special Issue aims at the in-depth exploration and the modern interpretation of millennial-old knowledge of natural bioactive compounds' effects on the human body and brain function, both from plant, animal, fungi, or microbial sources.

Original papers, reviews, and short communications that explore the neuroprotective and anti-inflammatory potential of, but not limited to, flavonoids, polyphenols, terpenoids, and alkaloids in various neurological and neurodegenerative diseases, but also in healthy ageing, are invited.

Guest Editor

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About the Journal

Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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