

## Special Issue

# Neuroprotective Roles of Dietary Bioactive Compounds

### Message from the Guest Editors

Dietary bioactive compounds are increasingly being recognised for their multifaceted neuroprotective properties, offering promising avenues for preventing and managing a wide spectrum of conditions. These compounds, such as polyphenols, including flavonoids, carotenoids, and omega-3 fatty acids, exert beneficial effects through antioxidant, anti-inflammatory, endothelial-modulating, and neurodegenerative mechanisms. Emerging evidence suggests they may enhance cerebrovascular function, including cerebral haemodynamics, which is essential in sustaining cognitive performance and reducing neurological risk. We invite original research articles and reviews exploring the mechanistic, clinical, and translational roles of dietary bioactives in supporting brain health. We welcome studies addressing bioavailability, gut–brain axis interactions, and the modulation of key risk factors such as oxidative stress, cerebrovascular dysfunction, metabolic and hormonal imbalances, neuroimmune activation, and mitochondrial decline. Contributions that integrate nutritional strategies into lifestyle or pharmacological interventions to enhance neuroprotection and resilience are particularly encouraged.

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### Guest Editors

Dr. Edward Bliss  
Dr. Virginie Lam  
Dr. Dean E. Mills

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### Deadline for manuscript submissions

15 September 2026



## Nutrients

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### 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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