



an Open Access Journal by MDPI

Enabling Neuroprotection in Dementia by Antioxidant and Vasoactive Flavonoids

Guest Editor:

Dr. Burkhard Poeggeler

Department of Physiology, Johann-Friedrich-Blumenbach-Institute for Zoology and Anthropology, Faculty of Biology Georg August University Göttingen, Göttingen and Goettingen Research Campus, Göttingen, Am Türmchen 3, D-33332 Gütersloh, Germany

Deadline for manuscript submissions: **18 January 2025**

Message from the Guest Editor

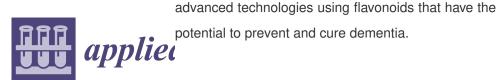
Dear Colleagues.

The process of development and adaptation requires by potent antioxidant bioenergetic safeguarding agents that allow us to maintain health and improve cognition by targeting and enhancing neurovascular supply of bioenergetic resources for permanent repair, recycling and regeneration of the brain. Recent research on flavonoids demonstrates conclusively that brain health can be improved if neuroinflammation is successfully targeted and resolved. Future studies focusing on a research agenda that aims to target the master regulators of adaptational plasticity and developmental physiology can facilitate the progress of applied sciences by the use of such agents.

The development of flavonoids that allow for neuroprotection has to focus on the metabolic mechanisms and mediators that prevent premature brain aging and disease. By your contributions to the development of a place of successions.



mdpi.com/si/153950







F

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L.

da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/applsci applsci@mdpi.com X@Applsci