

Special Issue

Enabling Health through Flavonoids and Related Polyphenolic Antioxidant Agents

Message from the Guest Editor

The process of development and adaptation requires safeguarding by potent antioxidant bioenergetic agents that allow the maintaining of health by targeting and enhancing the supply of bioenergetic resources for permanent repair, recycling, and regeneration. Recent research on flavonoids demonstrates conclusively that 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 and 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 aging and disease. Through your contributions to the development of applied sciences we aim to demonstrate perspectives for the application of advanced technologies using flavonoids that have the potential to prevent and cure degenerative diseases.

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, Am Türmchen 3, D-33332 Gütersloh, Germany

Deadline for manuscript submissions

closed (31 December 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/192209

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)