

Special Issue

Polyphenols and Neurodegenerative Disorders

Message from the Guest Editor

For the future of humanity, there are 86 billion neurons/reasons why it is important to study the medicinal and nutritional science of neurodegeneration. Alzheimer's disease, that is the foremost widespread dementia is a progressive age-risk-related disorder of the brain cortex and hippocampus regions, and involves the cognitive impairment along with reduced capacity/function. Dietary polyphenols are one of the most abundant types of plant secondary metabolites. Fruit and vegetables are rich sources of bioactive constituents that contribute to human health and experimental and epidemiological data indicates a function for polyphenols in the prevention of chronic diseases such as cardiovascular, type 2 diabetes, certain cancers and neuropathologies. Currently there is no definitive evidence from human studies or clinical trials that nutrient/lifestyle factors can modify cognitive disorders, or are neuroprotective against neurodegeneration. This Special Issue concerns with the biomolecular mechanisms of dietary polyphenols, essential knowledge in order to understand neurodegenerative disorders.

Guest Editor

Dr. Helmut Martin Hügel

School of Science, STEM College, RMIT University, 124 La Trobe Street, Melbourne, VIC 3001, Australia

Deadline for manuscript submissions

closed (30 January 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/109167

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)