

Special Issue

The Role of Probiotics and Their Metabolites in Neurodegenerative and Neuropsychiatric Disorders

Message from the Guest Editor

In recent years, the disturbance of intestinal microbiota balance has been associated with a number of extraintestinal diseases. An increasing number of studies have described bidirectional communications between the gut and the central nervous system, the so-called “microbiota-gut-brain axis”, bringing to light the influence that microbiota have in the onset and/or progression of neurodegenerative and neuropsychiatric disorders. In view of the ability of probiotics to provide health benefits to the host by restoring the normal microbial population, it is definitely interesting to investigate the potential effect of these beneficial microorganisms and their metabolites in the context of neurologic diseases. The aim of this Special Issue will be to collect high-quality data from original research papers and reviews that provide new information on the possible involvement of probiotics and their metabolites in modulating the pathogenesis of diseases of the central nervous system, with exciting prospective in preventive and precision medicine.

Guest Editor

Dr. Claudia Vuotto
IRCCS Fondazione Santa Lucia

Deadline for manuscript submissions

closed (31 May 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/69560

*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*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, 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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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