Special Issue

Microbiome Connections in Age-Related Diseases

Message from the Guest Editor

In this Special Issue, we invite studies that explore the microbiome's connections with various age-related diseases, including cardiovascular disease, inflammatory bowel disease, obesity, diabetes, musculoskeletal disorders, Alzheimer's, and dementia. Additionally, we seek to address the potential of restoring microorganisms through lifestyle and dietary interventions to enhance life expectancy and promote healthy aging. This collection of studies aims to uncover the mechanisms by which the microbiome influences aging and to identify strategies to improve health outcomes in older populations.

Guest Editor

Dr. Shalini Jain

- 1. USF Center for Microbiome Research, Microbiomes Institute, University of South Florida, Tampa, FL 33612, USA
- 2. Department of Neurosurgery and Brain Repair, University of South Florida, Tampa, FL 33612, USA

Deadline for manuscript submissions

20 October 2025



International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/216852

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





International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





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)

