

## Special Issue

# Molecular Research on the Gut Microbiota in Diseases

### Message from the Guest Editor

In recent years, the scientific community has been increasingly interested in studying the multitude of microbes found in our bodies and how they affect human health. Traditionally, this population of microbes, which normally grows in certain sites (such as the gut, respiratory tract, and blood) of the body, is referred to as microbiota, while the term microbiome is currently used and also refers to the genotypes of these microbes which, thanks to the progress of molecular biology, can now be decoded. The gut microbiota is considered an “organ” of our body mainly because of the interaction of microorganisms with the host. Thus, there is crosstalk between axes of the microbiota such as gut/lung and gut/brain. When diversity is lost, homeostasis is disturbed, sometimes with other consequences—a condition called dysbiosis—which can lead to certain disorders and diseases. We look forward to receiving your submission.

### Guest Editor

Dr. Ioannis Alexandros Charitos

Pneumology and Respiratory Rehabilitation Unit, Clinical Scientific Institutes Maugeri (ICS), Research Hospitals of National Interest (IRCCS), Section of Bari, Pavia, Italy

### Deadline for manuscript submissions

closed (30 November 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/206420](https://mdpi.com/si/206420)

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