

Special Issue

Microbiome and Immunology in Gynecological Diseases

Message from the Guest Editor

The research featured in this Special Issue offers invaluable insights into the physiological functions, pathogenesis, and pathophysiology relevant to gynecological health and disease. We are particularly focused on the role the human microbiome and immune system play in women's health. Examples of topics of interest include the impact of the female reproductive microbiome on female reproductive function; infertility and gynecological cancers; as well as microbial infections and immune tolerance during pregnancy. Some immune cells in the maternal immune system, such as uterine natural killer cells (uNK), killer immunoglobulin-like receptors (KIR) and human leukocyte antigens (HLA), are also of interest.

The International Journal of Molecular Sciences provides a platform for scientists to disseminate their high-quality scientific findings in this emerging field of the intricate connections between the microbiome, immune system, and various gynecological entities.

By advancing scientific knowledge, this Special Issue contributes to the investigation of pathways, accurate diagnosis, and development of novel therapeutic approaches to promote gynecological health.

Guest Editor

Dr. Panagiotis Christopoulos

2nd Department of Obstetrics and Gynecology, Medical School,
National and Kapodistrian University of Athens, Athens, Greece

Deadline for manuscript submissions

closed (20 June 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/193817

*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)