



biology



an Open Access Journal by MDPI

Microbiology and Metabolomics in Reproductive Biology

Guest Editor:

Dr. Giuseppina Campisciano

Department of Advanced
Translational Microbiology,
Institute for Maternal and Child
Health—IRCCS Burlo Garofolo,
Via dell'Istria 65, 34137 Trieste,
Italy

Deadline for manuscript
submissions:

31 August 2025

Message from the Guest Editor

Microbiology and metabolomics are rapidly transforming our understanding of reproductive biology. From fertility and implantation to pregnancy and early postnatal life, microbial communities and their metabolites influence key physiological processes with potential lifelong consequences for maternal and child health.

This Special Issue invites original research and reviews exploring how the reproductive tract microbiota, along with metabolomic pathways, contribute to reproductive outcomes. Studies addressing mechanistic insights, biomarkers, and therapeutic strategies are particularly encouraged.

By highlighting cutting-edge findings in this field, this Special Issue aims to advance our understanding of microbiological and metabolic determinants of reproductive success and long-term health.



mdpi.com/si/213405

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Contact Us

Biology Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
X@Biology_MDPI