

Special Issue

Microbiology and Metabolomics in Reproductive Biology

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.

Guest Editor

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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.

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