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Microbiology and Metabolomics in Reproductive Biology

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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.



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Special Issue



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