

## Special Issue

# Advances in Assisted Reproductive Technologies: Impact of the Microbiome and Beyond

### Message from the Guest Editors

Assisted reproductive technologies (ARTs) have significantly advanced over recent decades, yet implantation failure remains a major challenge in clinical practice. While endometrial receptivity has traditionally been considered a key determinant of successful implantation, increasing evidence highlights the importance of additional factors, including the reproductive tract microbiome and its interaction with the endometrial environment. This Special Issue aims to provide a comprehensive overview of recent advances in ART, with a particular focus on emerging mechanisms influencing endometrial function and embryo implantation. We welcome contributions addressing topics such as endometrial receptivity, embryo implantation, chronic endometritis, and the role of the uterine and vaginal microbiome. In addition, broader aspects of ART, including novel diagnostic approaches, therapeutic strategies, and technological innovations, are also within the scope of this issue. This Special Issue seeks to deepen our understanding of both established and emerging factors that influence reproductive success, ultimately contributing to improved outcomes in reproductive medicine.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2026



## Reproductive Medicine

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Impact Factor 1.3  
Indexed in Scopus



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## About the Journal

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#### Editor-in-Chief

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