

Special Issue

Advancements in Molecular Research on Infertility

Message from the Guest Editor

We are pleased to announce this Special Issue, highlighting recent advancements in molecular research on infertility and reproduction-related diseases. This issue aims to explore various key research areas including the identification of molecular biomarkers for investigating reasons for infertility and assessing gamete quality and reproductive potential through non-invasive methods. Contributions are sought on biomarkers in diverse sources such as sperm cells, sperm plasma, follicular fluid, granulosa cells and embryo culture media. These biomarkers hold promise as predictive tools for the success of assisted reproduction techniques. Additionally, several blood-based biomarkers have shown potential as predictors of pregnancy outcomes, and their validation may revolutionize prenatal care, enabling early intervention and personalized treatments. Furthermore, the investigation of immunologic biomarkers represents a fascinating avenue for exploring new frontiers in reproductive health research. We therefore invite academic and industrial investigators to submit original research articles and reviews discussing recent advancements in these areas.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 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/174676

*International Journal of
Molecular Sciences*
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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.

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