

Special Issue

Molecular Mechanisms and Therapeutic Strategies for Pregnancy Complications

Message from the Guest Editor

This Special Issue will provide a platform for disseminating innovative research that contributes to our understanding of the molecular and cellular basis of pregnancy-related disorders, as well as potential interventions. We welcome submissions that address, but are not limited to, the following themes:

- Molecular and cellular mechanisms underlying pregnancy complications;
- Epigenetic and genetic factors contributing to placental dysfunction;
- Oxidative stress, inflammation, and immune dysregulation in pregnancy pathologies;
- Biomarkers for early prediction, diagnosis, and monitoring of pregnancy complications;
- Novel drug targets and pharmacological interventions;
- Therapeutic strategies including nutraceuticals, gene therapy, and biologics;
- Role of extracellular vesicles, microRNAs, and long non-coding RNAs;
- Microbiome and its influence on pregnancy outcomes;
- Maternal-fetal interactions and signaling pathways in normal and pathological pregnancies;
- Systems biology and omics approaches (transcriptomics, metabolomics, proteomics)

Guest Editor

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About the Journal

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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