

Special Issue

Heavy Metal Toxicity and Female Infertility, Pregnancy Disorders, Fetal Growth and Development

Message from the Guest Editor

The focus of this Special Issue is two-fold: (1) it examines the adverse effects of heavy metals on female reproductive function and (2) presents intervention strategies to inhibit or mitigate the adverse effects of heavy metals on female reproductive function. Women who are exposed to metals in occupational or environmental settings experience various gynecological and pregnancy-related health issues, such as infertility, endometriosis, preeclampsia (PE), pre-term labor, premature ovarian failure (POF), Cystic Ovarian Syndrome (PCOS), and fetal growth restriction (FGR). Pregnancy disorders adversely affect the development, growth, and survival of fetuses, making them vulnerable and compromising their survival. The causes of female infertility and pregnancy disorders are highly complex and include various molecular pathways, such as oxidative stress, immune or genetic imbalance, exposure to environmental chemicals (endocrine disruptors), stress, and maternal age. This Special Issue aims to compile the molecular toxicological mechanisms of female infertility, pregnancy disorders, and fetal development due to heavy metal exposure.

Guest Editor

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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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