## 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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## Deadline for manuscript submissions

closed (20 October 2025)



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## Message from the Editor-in-Chief

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### **Editor-in-Chief**

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