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From Molecules to Morphology: A Focus on the Effects of Reproductive Hazards on Mammalian Reproduction

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Message from the Guest Editor

Dear Colleagues,

Reproductive health and fertility preservation are facing the detrimental effects of increasing environmental, lifestyle or occupational exposure to reproductive hazards, such as, for example, agricultural chemicals, smoke, alcohol, drugs, food additives, contaminants from plastics, industrial waste disposal, radiation, excessive vibration or heat.

Reproductive organs are sensitive targets of pollutants, but their unique role in developing germ cells and growing embryos leads to a different vulnerability among mammals due to species-specific adaptive capacities.

This Special Issue is open to original research papers and reviews on in vivo, ex vivo, and in vitro models highlighting toxicant-induced injuries to the mammalian reproductive system and related pregnancy outcomes, with a focus on the molecular, biochemical, physiological, and morphological effects exerted by chemical and physical agents on fertility.

Prof. Maria Grazia Palmerini
Guest Editor



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