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Update Reproductive Toxicology Research Associated with Air Pollutions

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

Recent findings have demonstrated an association between exposure to air pollutants and an increased risk of developing preeclampsia (PE). Preeclampsia is a leading cause of maternal and perinatal morbidity and mortality, responsible for about 18% of all maternal deaths and up to 40% of neonatal deaths. Recent findings have demonstrated an association between exposure to air pollutants and an increased risk of developing PE. Evidence indicates that exposure to pollutants in general and air pollution specifically induces oxidative stress and consequently inflammation. Furthermore, exposure to PM is associated with mitochondrial oxidative DNA damage both in normal state and in pregnancy, resulting in increased systemic oxidative stress in blood and placenta.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following theme: air pollution and environmental toxins in relation to placental function, pregnancy outcomes, long-term maternal and fetal morbidity. The articles may span from molecular to epidemiological aspects of the main theme.



mdpi.com/si/85733

Special Issue



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Message from the Editor-in-Chief

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