

Special Issue

Maternal and Fetal Exposure to Air Pollution

Message from the Guest Editor

Emerging research has linked maternal exposure to air pollution with an increased risk of complications, such as preterm birth, low birth weight, and stillbirth. In addition to these immediate risks, there is growing concern about the long-term effects of prenatal exposure, including altered immune system development, metabolic programming changes, and epigenetic modifications that may predispose individuals to chronic diseases later in life. As air pollution levels continue to rise in many regions, particularly in urban and industrialized areas, addressing their impact on maternal and fetal health has become a critical public health priority. Understanding these connections is essential for informing policies, interventions, and strategies to protect future generations from the adverse effects of environmental pollution. This Special Issue seeks to advance our understanding of how maternal exposure to air pollution influences fetal health, pregnancy complications, and long-term disease risk. Papers that combine scientific research with practical public health applications are especially encouraged.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Air is an international, open-access journal exploring all aspects of air, such as air science, technology, management, and governance. Our goal is to provide a platform for interdisciplinary research and dialogue. By bringing together experts from various fields, we can deepen our understanding of the challenges we face and work towards innovative solutions. Therefore, we would like to invite you to contribute your work for peer review. Our journal provides a highly accessible platform for sharing research and insights with a global audience. Together, we can achieve a sustainable future.

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