

## Special Issue

# Hyperglycemia Diagnosed in Pregnancy: Diagnosis, Interventions, Outcomes and Knowledge Gaps

### Message from the Guest Editor

Hyperglycemia is among the most frequent yet serious complications of pregnancy. Although this disorder is commonly recognised as a major risk factor for fetomaternal adverse outcomes, such as excessive fetal growth, macrosomia, excessive maternal gestational weight gain, or hypertensive disorders of pregnancy, the magnitude of these interactions differs across the populations, and their mechanisms are yet to be fully elucidated. New areas of clinical and research interest are emerging, such as specific approaches to target populations at high risk for developing hyperglycemia in pregnancy and to detect hyperglycemia in early pregnancy. We are also gathering more evidence on nonglycemic risk factors for complications. There is also an increasing amount of evidence on an association between hyperglycemia in pregnancy and a vicious circle of premature morbidity for non-communicable disorders in mothers and their offspring. This recent evidence raises further questions about whether effective treatment of hyperglycemia in pregnancy could be translated into long-term benefits for both generations.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 August 2022)



## International Journal of Environmental Research and Public Health

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CiteScore 8.5  
Indexed in PubMed



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*International Journal of  
Environmental Research and  
Public Health*

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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