Special Issue

Gestational Diabetes: Challenges and Cutting-Edge Research

Message from the Guest Editors

Gestational Diabetes represents a serious health issue with a global prevalence of between 1% and 14%. Several factors play crucial role such as lactogenic hormone secreted from placenta, which desensitizes insulin and increases glucose levels during the final trimester; cortisone; estrogen and other hormones; maternal age; and genetic predisposition. When gestational diabetes is not recognized or not properly managed, it leads to an increased risk of certain conditions affecting both mother and newborn, such as pre-eclampsia, polyhydramnios, and fetal macrosomia.

This Special Issue will examine recent challenges in the diagnosis and management of gestational diabetes. In particular, we would appreciate original articles and literature reviews investigating novel potential pathophysiological mechanisms underlying gestational diabetes or advanced therapeutic approaches. Furthermore, studies exploring new molecular pathways with potential therapeutic applications or studies using AI for monitoring and treating pregnant women are welcome.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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