



The Role of Microorganism in Gestational Diabetes Mellitus

Guest Editors:

Dr. Zohar Nachum

1. Department of Obstetrics and Gynecology, Emek Medical Center, Afula 1834111, Israel
2. Rappaport Faculty of Medicine, Technion—Israel Institute of Technology, Haifa 3200003, Israel

Dr. Enav Yefet

1. Department of Obstetrics & Gynecology, Baruch Padeh Medical Center Poriya, Tiberias 1410000, Israel
2. Azrieli Faculty of Medicine, Bar Ilan University, Safed 1310000, Israel

Deadline for manuscript submissions:

closed (30 December 2021)

Message from the Guest Editors

Dear Colleagues,

Gestational diabetes mellitus (GDM) complicates 4–12% of pregnancies and is considered one of the most prevalent pregnancy complications. The severe maternal and neonatal morbidities associated with uncontrolled GDM underscores the importance of adequate glucose control during pregnancy.

In parallel, a growing body of evidence has shown that probiotic supplements improve glucose metabolism by increasing host insulin sensitivity, cholesterol metabolism, and having a beneficial effect on the immune system. More specifically, they have been shown to reduce fasting glucose and hemoglobin A1C levels in non-pregnant individuals with diabetes.

The aim of this Special Issue is to provide a collection of articles that showcase the current research of “The Role of Microorganism in Gestational Diabetes Mellitus”. As Guest Editors of this Special Issue, we invite you to submit research articles, review articles, and short communications related to this topic.

Keywords: gestational diabetes mellitus; microbiome; glycemic control; glucose and insulin metabolism; obstetric complications; probiotics; lactobacilli; obesity; weight gain; fat metabolism





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Toxicology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI