



## The Role of Microorganism in Gestational Diabetes Mellitus 2.0

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 (29 February 2024)**

### 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.

In recent years, the role of the intestinal microbiome in the context of metabolic diseases, particularly in glucose and insulin metabolism, has attracted a lot of attention. 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.

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”.

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  
Systems Biology, 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 - Q2 (*Microbiology*)

## Contact Us

*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/microorganisms](http://mdpi.com/journal/microorganisms)  
[microorganisms@mdpi.com](mailto:microorganisms@mdpi.com)  
X@Micro\_MDPI