Special Issue

Vaginal Microbiome in Women's Health

Message from the Guest Editors

The vaginal microbiome is an energetic microecosystem that undergoes constant fluctuations during the female menstrual cycle and throughout a woman's life. In this vaginal ecosystem, there is a homeostatic relationship between the microbiota and the host. The host provides a moist, nutritious, and warm habitat for the microbes, while the resident microbiota produces antimicrobial and anti-inflammatory factors. Vaginal microbiome homeostasis plays a vital role in reproductive health. Depending on its composition, the microbiome can protect the vagina from infectious or non-infectious diseases, or it can increase its susceptibility. The variations of internal and/or external factors lead to the breakdown of a balanced ecosystem. This Special Issue aims to describe the vaginal microbiome in relation to female health, discuss the characteristics of dysbiosis, present a strong association between these and common diseases, understand the genome impact on dysbiosis, and outline the need for comprehensive diagnostics and therapies accurate and advanced to reduce the prevalence of the female forum diseases.

Guest Editors

Dr. Sandra F. Borges

CBQF—Centro de Biotecnologia e Química Fina, Escola Superior de Biotecnologia, Universidade Católica Portuguesa, Porto, Portugal

Dr. Sara Baptista da Silva

CBQF—Centro de Biotecnologia e Química Fina, Escola Superior de Biotecnologia, Universidade Católica Portuguesa, Porto, Portugal

Deadline for manuscript submissions

closed (30 March 2024)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/121665

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

About the Journal

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.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

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))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

MDPI