

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

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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.

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