



life



an Open Access Journal by MDPI

Urinary Microbiome and Genitourinary System Disorders

Guest Editors:

**Dr. Mohammad Sajjad
Rahnama'i**

Uniklinik RWTH Aachen, 52074
Aachen, Germany

**Prof. Dr. John P. F. A.
Heesakkers**

Maastricht Universitair Medisch
Centrum+, 6229 HX Maastricht,
The Netherlands

**Prof. Dr. Philip Van
Kerrebroeck**

Maastricht Universitair Medisch
Centrum+, 6229 HX Maastricht,
The Netherlands

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

The urine microbiome is a newly introduced concept that has attracted the attention of medical researchers. Until recently, the urine of healthy individuals was assumed to be sterile. However, improvements in bacterial detection methods have debunked this assumption. Recent studies have shown that the bladder contains microbiomes that are not detectable under standard conditions. Analysis by 16S rRNA sequencing and expanded quantitative urine culture provided evidence for the presence of live bacteria in urine which were not detectable by standard culture protocols. The development of metagenomic sequencing revealed a unique urinary microbiota that was not detectable by standard culture protocols.

A deeper understanding of the urinary microbiome can help us to develop more efficient methods for restoring the microbiota to a healthy composition, and for providing symptom relief. Modification of the urinary microbiome without antibiotics use could be a possible venue for future research.



mdpi.com/si/119841

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in
Biomedicine (IRB Barcelona), The
Barcelona Institute of Science
and Technology, 08028
Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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](#), [CAPus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q2 (*Paleontology*)

Contact Us

Life Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)