Special Issue

Infectious Diseases: Clinical Diagnosis and Molecular Epidemiology

Message from the Guest Editor

After a year focused on the COVID-19 pandemic and on the effects of an emerging variant of the SARS-CoV family on global health with all the challenges, I would like to direct your attention in this Special Issue to the impact of other microbial pathogens, i.e., bacteria, other circulating and (re-)emerging viruses, fungi, and parasites.

In clinical settings a precise result and many more time-to-result of pathogen detection is crucial for differential diagnosis and patient management. Ever since the introduction of nucleic acid amplification techniques, much effort has been made. However, the interpretation of DNA detection results still requires experience, especially when multiple pathogens are detected. Moreover, genotypic versus phenotypic antimicrobial resistance observations have to be discussed carefully. Worldwide surveillance of resistance evolution may contribute to sucessful presumptive therapy.

For this Special Issue, we invite you to submit contributions concerning any aspect of recent implementations of modern diagnostic assets in the clinical routine and strategies for infectous disease epidemiology.

Guest Editor

Dr. Ralf Matthias Hagen

Department of Microbiology and Hospital Hygiene, Bundeswehr Central Hospital, Andernacher Str 100, 56070 Koblenz, Germany

Deadline for manuscript submissions

closed (31 December 2021)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/67834

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