

Special Issue

Detection and Analysis of Clinical Microbial Infections, Third Edition

Message from the Guest Editor

Microbiological infections and diseases can be caused by bacteria, viruses, parasites, and fungi. This Special Issue has caused worldwide concern and requires the rapid detection and identification of the pathogens responsible for microbial infections. The first crucial and complex phase of the diagnostic process is the definition of the methods for collecting microbiological samples. In fact, depending on the heterogeneous diffusion and probable low number of pathogenic microorganisms, as well as on the chosen diagnostic method that will be used, sampling can be considered a difficult step, especially in chronic infections. The identification methods can be grouped into different clinical–diagnostic categories. Research articles and systematic reviews are both welcome. Manuscript topics may cover the following topics:

- Identification of unculturable pathogens and mixed microbial populations.
- Sampling, culture, and isolation of the pathogen responsible for infectious diseases.
- Advantages and limits of clinical microbial identification techniques.
- New molecular biology techniques for microbial identification.
- Standardization of techniques and sample data centralization.

Guest Editor

Dr. Stefano Ravaoli

Laboratorio di Patologia delle Infezioni Associate all'Impianto (Research Unit on Implant Infections), IRCCS Rizzoli Orthopaedic Institute, Bologna, Italy

Deadline for manuscript submissions

30 June 2026



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/263719

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

[mdpi.com/journal/
microorganisms](https://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](https://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).