

Special Issue

Advances in the Diagnosis and Treatment of Mycobacterial Infections

Message from the Guest Editor

This Special Issue aims to bring together cutting-edge research and critical reviews that highlight novel approaches in the diagnosis and treatment of mycobacterial infections. We welcome original research and comprehensive review articles addressing a wide range of topics, including but not limited to: genetic and phenotypic characterization of *Mycobacterium tuberculosis* and NTM species, mechanisms of drug resistance and tolerance, host–pathogen interactions, host immunity, innovative diagnostic tools, and the development and evaluation of new treatment regimens. We particularly encourage submissions that bridge basic, translational, and clinical research, as well as those that explore interdisciplinary approaches combining microbiology, immunology, pharmacology, and public health. To advance the field and foster collaboration among researchers, clinicians, and public health experts, we invite you to contribute your latest findings or perspectives to this Special Issue. Together, we hope to deepen our understanding and improve outcomes for patients affected by mycobacterial diseases.

Guest Editor

Dr. Hung-Ling Huang

Kaohsiung Medical University Hospital, Kaohsiung 807, Taiwan

Deadline for manuscript submissions

31 March 2026



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/242916

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

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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

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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).