

Special Issue

Innovation in Infectious Diseases: Diagnosis, Treatment and Global Challenges

Message from the Guest Editors

Infectious diseases pose a major threat to global health, affecting both high- and low-income countries and ranging from acute outbreaks to chronic, neglected infections. The interplay between emerging pathogens, antimicrobial resistance, global travel, and migration has transformed the infectious disease landscape, making timely diagnosis and effective treatment increasingly complex. There is a pressing need for innovative and accessible diagnostics, especially regarding multidrug-resistant microorganisms. We invite original research articles, reviews, case reports, and contributions addressing the following topics:

- Diagnostic innovation
- Antimicrobial stewardship
- Microbial resistance
- Tuberculosis and neglected infections
- Microorganism-targeted therapeutic innovations

Through this Special Issue, we aim to highlight multidisciplinary approaches and foster multidisciplinary collaboration across microbiology, infectious diseases, clinical epidemiology, and public health. We look forward to hearing from you.

Guest Editors

Prof. Dr. Francesco Cristini
Dr. Cristina Seguiti
Dr. Paolo Colombini

Deadline for manuscript submissions

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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

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Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).