

# Special Issue

## Innovative Approaches in Infectious Disease Research: From Pathogenesis to Therapeutics

### Message from the Guest Editor

This Special Issue aims to highlight innovative approaches in infectious disease research, from elucidating the molecular mechanisms of pathogenesis to the development of novel therapeutics for tuberculosis and other infectious diseases caused by viruses, bacteria, and protozoa. In this Special Issue, original research articles and reviews are welcome, covering areas which may include (but are not limited to) the following:

- Molecular and cellular mechanisms of infection and host immune responses;
- Emerging and re-emerging infectious diseases;
- Antimicrobial resistance and novel strategies for combating resistant pathogens;
- Advances in diagnostic tools and technologies;
- Vaccine development and immune-based therapies;
- Epidemiological studies and public health interventions;
- One Health approaches to infectious diseases;
- Computational modeling and bioinformatics in infectious disease research;
- Pathogen evolution, transmission dynamics, and zoonotic spillover events;
- Drug discovery and development of novel antimicrobial agents.

### Guest Editor

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### 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.

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### Editor-in-Chief

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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).