Special Issue

Advances in Clinical Infections and Antimicrobial Resistance

Message from the Guest Editor

The global rise of multidrug-resistant organisms (MDROs) poses a critical challenge to clinical practice. Driven by complex factors, including antimicrobial uses in humans, animals, and agriculture, international travel, climate change, an aging population, and a growing number of vulnerable individuals, the epidemiology of MDROs is rapidly evolving. This Special Issue on "Clinical Infections and Resistance Development" aims to explore these dynamic changes and advance strategies for the control, diagnosis, and management of MDROs, especially those that could inform and guide clinical practice and public health policy. We invite submissions that address, but are not limited to, the following areas:

- Epidemiological shifts in MDRO prevalence and their contributing factors.
- Phenotypic and/or molecular characterization of MDRO.
- Innovative workflows or techniques for early MDRO detection and/or control.
- Effective strategies for controlling MDROs in hospital or community settings.
- Clinical management and treatment approaches for MDRO infections.
- Novel therapeutic strategies to combat MDROs.

Guest Editor

Dr. Sally Cheuk Ying Wong
Department of Pathology, Hong Kong Children's Hospital, Hong Kong

Deadline for manuscript submissions

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

mdpi.com/journal/microorganisms

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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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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).

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