Special Issue

New Strategies for Antimicrobial Treatment

Message from the Guest Editor

This Special Issue is dedicated to advancing the field of antimicrobial treatments by highlighting innovative strategies to counteract antimicrobial resistance. It aims to consolidate groundbreaking research on new antimicrobial agents, their unique mechanisms, and environmental implications. The Issue actively promotes interdisciplinary collaboration among microbiologists, pharmacologists, molecular biologists, and clinicians to hasten the transition of research findings into clinical applications. It seeks to widely disseminate cutting-edge findings to refine existing treatments and inspire the creation of novel therapeutic options. Contributions are invited on alternative therapies, resistance mechanisms, and combination therapies that enhance efficacy and minimize resistance development. The inclusion of diverse clinical trials and case studies will offer valuable insights into treatment effectiveness. Additionally, the Issue will emphasize the importance of pharmacokinetic and pharmacodynamic studies for personalized medicine and robust preclinical research to support clinical trials.

Guest Editor

Dr. Chen Fu

College of Pharmaceutical Sciences, Southwest University, Chongqing, China

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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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).

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