

# Special Issue

## Advances in Novel Antibacterial Agents

### Message from the Guest Editors

The increasing prevalence of bacterial infections and emergence of multidrug-resistant (MDR) bacteria are of great concern, leading to the demand for new drugs. As a result, many alternative strategies are being considered to optimize the treatment of infectious diseases induced by MDR pathogens, such as phage therapy, probiotics, antivirulence factors, and drug repurposing. This Special Issue is focused on the research seeking new antibacterial agents from both natural and synthetic compounds with novel modes of action that address different targets. In addition, recent findings are presented and discussed, highlighting strategies for fighting bacterial resistance.

*Microorganisms* invites both reviews and original articles highlighting recent efforts towards developing novel antibacterial agents. Topics of interest include natural product screening, identification and validation of new antibacterial targets, and strategies for the discovery and optimization of compounds.

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### Guest Editors

Prof. Dr. Mariateresa Vitiello  
Dr. Roberta Colicchio  
Dr. Chiara Pagliuca

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### Deadline for manuscript submissions

closed (31 January 2024)



## 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.

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### Editor-in-Chief

Dr. Nico Jehmlich

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#### Journal Rank:

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

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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).