

Special Issue

Antimicrobial Resistance: Challenges and Innovative Solutions

Message from the Guest Editor

Microorganisms invites researchers to contribute to a Special Issue addressing the critical issue of antimicrobial resistance. This Special Issue aims to explore the challenges posed by antimicrobial resistance and highlight innovative solutions to combat this global threat. We welcome original research, reviews, and perspectives on various aspects of antimicrobial resistance, including mechanisms of resistance, epidemiology, and the impact on human and animal health. Contributions investigating novel therapeutic approaches such as combination therapies, alternative antimicrobial agents, and drug repurposing are encouraged. Additionally, we invite the submission of studies on antimicrobial stewardship programs, infection control strategies, and surveillance systems aimed at monitoring and preventing the spread of resistant pathogens. Research on the development of diagnostic tools, vaccines, and strategies to mitigate the emergence and dissemination of resistance genes will also be highly valued.

Guest Editor

Dr. Dimitris C. Chatzopoulos

Faculty of Public and One Health, University of Thessaly, 43100
Karditsa, Greece

Deadline for manuscript submissions

closed (31 May 2025)



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

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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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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).