

Special Issue

Bacterial Resistance and Adaptation in the Post-Antibiotic Ban Era

Message from the Guest Editors

Dear Colleague, this Special Issue will explore the impact of antibiotic use bans on the development and spread of antimicrobial resistance. We invite original articles, reviews, and case studies that delve into key topics such as the following:

- Trends in antimicrobial resistance post-antibiotic bans;
- Effectiveness of antibiotic bans in different sectors (healthcare, veterinary, agriculture, and food industry);
- Mechanisms of resistance persistence despite antibiotic restrictions;
- Alternative strategies for infection control and disease prevention;
- Impact of antibiotic bans on microbiome composition in humans, animals, and the environment;
- Regulatory frameworks and policy evaluations on antibiotic use;
- Comparative studies between countries with and without antibiotic restrictions.

By bringing together diverse perspectives, this Special Issue will provide a comprehensive assessment of the successes and limitations of antibiotic use bans, offering evidence-based insights to guide future policy decisions and interventions in the fight against AMR. You may choose our [Joint Special Issue in Antibiotics](#).

Guest Editors

Prof. Dr. Abdelaziz Ed-Dra

Laboratory of Engineering and Applied Technologies, Higher School of Technology, M'ghila Campus, Sultan Moulay Slimane University, BP 591, Beni Mellal 23000, Morocco

Prof. Dr. Min Yue

Department of Veterinary Medicine, Institute of Preventive Veterinary Sciences, College of Animal Sciences, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions

31 December 2025



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/241761

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

[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)



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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

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).