

Special Issue

Antimicrobial Stewardship Strategies to Improve Antimicrobial Use

Message from the Guest Editor

Antimicrobial resistance (AMR) poses a serious threat to global public health with clinical and economic implications. The overuse and inappropriate use of antimicrobials (AMs) is recognized as the most important root cause of the increasing bacterial resistance threat worldwide. Antimicrobial stewardship (AMS) programs encourage the responsible use of AMs through the delivery of multiple evidence-based interventions. AMS interventions reduce excessive AM prescribing in secondary care, can reduce AMR and healthcare-associated infections, increase effective prescribing, and improve clinical outcomes for patients. Clearly, AMS needs to be extended to community health settings where estimating AM use is more difficult, but where the greatest antibiotic use occurs. Papers could focus on the following research areas:

Early detection of disease to reduce antibiotic use;
Prevention of diseases generally treated with antibiotics;
Evaluation of antibiotic alternatives;
Appropriate use of antibiotics;
Evaluation of AM drug use behaviors. We look forward to receiving your contributions.

Guest Editor

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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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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).