Special Issue

Antimicrobial Resistance and the Use of Antibiotics in Animals

Message from the Guest Editor

Antimicrobial resistance (AMR) has emerged as a global threat, jeopardizing human and animal health, food security, and the effectiveness of medical interventions. The Special Issue on "Antimicrobial Resistance and the Use of Antibiotics in Animals" aims to present recent research on the critical issue of antimicrobial resistance (AMR) and its relationship with the use of antibiotics in animal agriculture. Some of its focal points include, but are not limited to, the following:

- The mechanisms and drivers of AMR in animal populations;
- The impact of antibiotic use in veterinary medicine, livestock production, and aquaculture;
- The role of farm management practices, including biosecurity measures and alternative approaches (such as vaccination and probiotics), in mitigating AMR risks.

Through this Special Issue, we aim to raise awareness, promote knowledge exchange, and stimulate innovative strategies and solutions to combat AMR in animal populations. Reviews, original research, and communications will be welcome.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2025)

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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).

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