Special Issue

Multidrug-Resistant Bacteria and Strategies for Antibiotic Resistance Mitigation, 2nd Edition

Message from the Guest Editor

This Special Issue invites original research articles, reviews, and contributions that span the following areas:

- Mechanisms of Antibiotic Resistance: In-depth exploration of the molecular and genetic mechanisms that confer resistance to multiple antibiotics in bacterial pathogens;
- Epidemiology and Surveillance: Understanding the global epidemiology of multidrug-resistant bacteria, including the identification of hotspots, trends, and emerging resistance patterns;
- Host–Pathogen Interactions: Investigating the interactions between multidrug-resistant bacteria and their hosts, with a focus on the immune response and strategies for host-directed therapies;
- Antibiotic Stewardship and Alternative Therapies: Strategies for prudent antibiotic use, antimicrobial stewardship programs, and the development of alternative therapeutic approaches beyond traditional antibiotics;
- Global Strategies for Mitigation: Discussions on international collaborations, policies, and interventions aimed at mitigating the spread of multidrug-resistant bacteria and preserving the efficacy of existing antibiotics.

Guest Editor

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Deadline for manuscript submissions

30 November 2024

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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 13.4 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 2024).

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