Special Issue

Research on New Antimicrobial Agents

Message from the Guest Editor

Antimicrobial resistance is considered one of the greatest threats facing humanity. Declared by the WHO as a top global public health menace, antimicrobial resistance is also a serious social and economic problem. The emergence and spread of drug-resistant pathogens, especially multiresistant bacteria (also known as “superbugs”) was facilitated by the misuse and overuse of antimicrobials. Consequently, our ability to treat infectious diseases with current antibiotics is being critically threatened. Moreover, the number of new antibiotics that have come into therapeutical use has decreased significantly in recent years. Therefore, finding new, effective antimicrobials to fight antimicrobial resistance is a top priority in the modern scientific world. This Special Issue will focus on the most recent research on the discovery of new antimicrobial agents and strategies used to treat infectious diseases caused by antimicrobial-resistant pathogens. We are inviting authors to publish their latest original findings in this *Microorganisms* Special Issue, entitled *Research on New Antimicrobial Agents*.

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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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

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