Special Issue

Combating Antimicrobial Resistance: Innovations and Strategies

Message from the Guest Editor

Antimicrobial resistance (AMR) is an escalating global health crisis that threatens the efficacy of antimicrobial agents, including antibiotics, antivirals, antifungals, and antiprotozoals. The misuse and overuse of these drugs in healthcare, agriculture, and animal husbandry have accelerated the development of resistant strains of pathogens. The battle against AMR requires a multifaceted and coordinated global response. Continued research into understanding resistance mechanisms, the development of new antimicrobial agents, and the implementation of effective stewardship programs are essential to mitigate the growing threat of drug-resistant infections. In this Special Issue, we encourage research and innovation in diagnostics, vaccines, and new antimicrobial agents to stay ahead of evolving resistance.

Guest Editor

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"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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