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New Approaches to Fighting Infectious Diseases: Overcoming the Antimicrobial Resistance in Current Treatments

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Message from the Guest Editors

In recent years, the rise of antimicrobial resistance (AMR) has posed a significant challenge to the effective treatment of infectious diseases. Therefore, over the last few years, researchers have focused on different approaches to combat AMR on infectious diseases (rational drug design in silico, identification of novel targets to fight the pathogens, research into new natural antimicrobial agents, antimicrobial peptides, combinatorial therapies with synergistic properties, alternative and more potent drug carriers, etc.). Overall, combating antimicrobial resistance requires a multifaceted approach. By embracing new therapies, optimizing existing treatments and implementing effective preventive measures, we can enhance our ability to fight infectious diseases and mitigate the challenges posed by antimicrobial resistance.

For this Special Issue, we invite research investigators focusing on these fields to submit original research articles or reviews describing and discussing the most recent advancements and developments in basic science and biomedical applications concerning infectious diseases and treatment approaches in the AMR era.



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Special Issue



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