



Innovative Antimicrobial Therapies: Overcoming Virulence of Microorganisms and Drug Resistance

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Message from the Guest Editor

Dear Colleagues,

Infectious disease is the result of the virulence of the microorganism, the condition of the host, and the presence of various favourable environmental factors. Understanding complex host–microbe and microbe–microbe interactions can help us to identify the specific role of microorganisms in human health and disease and allows for targeted interventions. Antibiotics, antivirals, antifungals, and antiparasitic drugs are now widely used to prevent and treat human infections. The price of widespread access to anti-infectives is the development of antimicrobial resistance (AMR).

New treatment strategies and a new generation of therapies are urgently needed. Drugs with unique chemical structures, new mechanisms of action and high barriers to resistance can be an answer to the multi-faceted global challenge of AMR.





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Message from the Editor-in-Chief

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