



Antibiotics, Antibiotic Alternatives, and Combination Antimicrobial Therapy

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Message from the Guest Editors

Antibiotics play a significant role in treating and preventing infections caused by microbial agents if used precisely. However, due to the fast development of drug resistance, treatment becomes ineffective and risks the livelihood of humans and animals. To worsen the situation, the invention and production of new antibiotics are alarmingly at a low rate.

Hence, the focus of this Special Issue, titled “Antibiotics, Antibiotic Alternatives, and Combination Antimicrobial Therapy” in the journal *Pathogens* is to promote studies that focus on the intervention mechanisms of antimicrobial resistance, provide alternatives to the currently available antimicrobials, study the integration of pharmacokinetics and pharmacodynamics, including the efficacy and dosage formulation of the currently available antibiotics, and combination therapies, which are effective against drug-resistant pathogens.





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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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