Special Issue

Bacterial Resistance and Novel Therapeutic Approaches

Message from the Guest Editors

Bacterial resistance is a growing global health threat, making many antibiotics ineffective and leading to prolonged illnesses, higher mortality rates, and increased healthcare costs. Multidrug-resistant pathogens like Staphylococcus aureus and Klebsiella pneumoniae challenge healthcare systems. This Special Issue, "**Bacterial Resistance and Novel Therapeutic Approaches**," aims at exploring groundbreaking research in bacterial pathogenesis, resistance mechanisms, and innovative solutions. Topics include, but are not limited to, bacteriophage therapy, antimicrobial peptides, advanced drug delivery systems, and next-generation antibiotics. Furthermore, advancements in diagnostics, biofilm eradication strategies, and immunotherapeutics offer promising avenues to counter resistant infections. We invite original research articles, reviews, and short communications that contribute to understanding and overcoming bacterial resistance.

Guest Editors

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Deadline for manuscript submissions

15 February 2026

Pathogens

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/224851

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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.

Editor-in-Chief

Prof. Dr. Hinh Ly
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