

Special Issue

Emerging Antibiotic Resistance in Nosocomial Pathogens: Current Trends and Future Directions

Message from the Guest Editor

The emergence of antibiotic resistance among pathogens responsible for nosocomial infections poses a critical threat to public health worldwide. Increasing resistance not only complicates treatment protocols but also contributes to extended hospital stays, heightened mortality rates, and a significant rise in healthcare costs. The ESKAPE group—comprising *Enterococcus faecium*, *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Enterobacter* species—represents a major concern. Contributing factors include the overuse of antibiotics, suboptimal infection control practices, and the prolonged hospitalization of vulnerable patients. This Special Issue seeks to explore the multifaceted problem of antimicrobial resistance in pathogens associated with nosocomial infections. By addressing its underlying causes, clinical implications, and potential strategies for mitigation, we aim at advancing the understanding and management of this pressing global health concern.

Guest Editor

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About the Journal

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

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