



## Antimicrobial Resistance of Pathogens Causing Nosocomial Infections

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### Message from the Guest Editors

Dear Colleagues,

The emergence of antibiotic resistance is a serious public health problem in pathogens that cause nosocomial infections. Increased antibiotic resistance leads to higher costs of antibiotic use, longer hospital stays higher mortality and higher healthcare costs. The rise in immunodeficient patients, the increased use of indwelling devices, and the use of a wide range of antimicrobial agents in the hospital setting are responsible for increased antimicrobial resistance. ESKAPE is a group of *Enterococcus faecium*, *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Enterobacter* species, which are common causes of life-threatening nosocomial infections among critically ill patients and are potentially antibiotic-resistant. Antibiotic resistance rates are particularly high in intensive care units due to antibiotic overuse, incomplete isolation practices, and the prolonged hospitalization of patients who are highly susceptible to hospital-acquired infections. This Special Issue aims to discuss the antimicrobial resistance of pathogens causing nosocomial infections.

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## Editor-in-Chief

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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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