

Special Issue

Prevention, Diagnosis and Treatment of Healthcare-Associated Infections

Message from the Guest Editor

Healthcare-associated infections (HAIs) continue to be a major global challenge, compromising patient safety and imposing a significant burden on healthcare systems. These infections, acquired during healthcare delivery, are associated with increased morbidity, mortality, prolonged hospital stays, and increased healthcare costs. Common HAIs include bloodstream infections, surgical site infections, ventilator-associated pneumonia, and catheter-associated urinary tract infections. While improvements in infection control practices have reduced their incidence in some settings, emerging antimicrobial resistance, protocol failures, and evolving healthcare delivery models continue to pose risks.

This Special Issue invites original research, reviews, and case studies focused on the prevention, diagnosis, management, and surveillance of HAIs. We welcome interdisciplinary contributions examining microbiological, clinical, environmental, and systemic factors affecting infection risk, as well as innovative strategies such as antimicrobial stewardship programs, rapid diagnosis, and behavioral interventions.

Guest Editor

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Editor-in-Chief

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