

## Special Issue

# Advances in Diagnostic and Therapeutic Strategies for Infectious Diseases

### Message from the Guest Editor

This Special Issue focuses on the latest advancements in the diagnosis and clinical management of infectious diseases, addressing both emerging and re-emerging pathogens. It highlights innovative diagnostic tools, such as rapid molecular assays, next-generation sequencing, and point-of-care testing, which enable the early and accurate detection of infectious agents. The issue also explores the integration of artificial intelligence and machine learning into diagnostic workflows, offering new insights into personalized treatment strategies. Contributions from leading experts emphasize the importance of antimicrobial stewardship, vaccine development, and alternative therapies in combating infectious diseases, particularly in the context of antimicrobial resistance. By bridging cutting-edge research and clinical practice, this collection aims to improve patient outcomes and address global health challenges. It serves as a comprehensive resource for researchers, clinicians, and policymakers, providing valuable insights into the evolving landscape of infectious disease diagnosis and management.

### Guest Editor

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## Diagnostics

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