

Special Issue

Diagnostics, Antimicrobial Resistance, and Emerging Bacterial Pathogens

Message from the Guest Editor

Infectious diseases continue to be a dominant global problem affecting all corners of the global population with varying morbidity and mortality. Bacterial, fungal/yeast, viral and parasitic pathogens require accurate and rapid diagnosis in order to optimize patient care but also to identify and potentially contain outbreaks, support infection prevention and control, support antimicrobial and laboratory stewardship programs and to identify new or emerging infectious disease threats. For optimization of patient care, rapid and accurate diagnostics serves a number of important roles: first, organism identification to tailor specific antimicrobial therapy; second, detection of antimicrobial resistance prompting changes to more appropriate therapy; third, the need for inpatient versus outpatient therapy thereby affecting bed management and fourth, the potential impacts on cost of therapy and therapy de-escalation. This Special Issue looks to bridge the areas of diagnostics, antimicrobial resistance and emerging bacterial pathogens with a collection of peer-reviewed articles that may be primary research papers, review articles or opinion pieces.

Guest Editor

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Deadline for manuscript submissions

30 April 2026



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/240674

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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

Prof. Dr. Hinh Ly

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