

Special Issue

Emerging Zoonoses and Sustainable One Health Strategies

Message from the Guest Editor

The global health landscape is being reshaped by the continuous emergence and re-emergence of zoonotic diseases—pathogens that cross species barriers to infect humans. From viral outbreaks to parasitic and bacterial threats, these infectious agents challenge our healthcare systems, economies, and societies. Understanding and mitigating these risks require a multidisciplinary, integrated approach that spans molecular science, ecology, animal welfare, and public health. This Special Issue of *Pathogens* focuses on emerging zoonoses through the lens of molecular epidemiology and One Health principles. We aim to explore how advanced molecular tools—such as genomic sequencing, phylogenetic analysis, and biomarker discovery—are transforming prevention, early diagnosis, and control strategies for infectious and parasitic pathogens. By combining data from human, animal, and environmental health, contributors will provide new insights into transmission pathways, risk factors, and intervention points.

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.

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