

Special Issue

One Health—Viral Zoonosis: Epidemiology, Pathogenesis, Surveillance and Early Warning, Novel Prevention and Control Technologies

Message from the Guest Editors

Viral zoonoses, as a major source of emerging infectious diseases, continue to threaten global public health security. Environmental, human, and animal health are closely linked and interdependent, and the concept of "One Health" has never been more important. Frequent outbreaks of epidemics such as Ebola and avian influenza highlight the risk of the cross-species transmission of pathogens. With an increase in globalization and ecological imbalance, the risk of virus spillover is rising, urging us to strengthen research on viral zoonosis and build a "prevention-early-warning response" full chain prevention and control system. This Special Issue focuses on viral zoonoses, including epidemiological surveillance and risk warning, pathogen biology, pathogenic mechanisms, surveillance and early warning, and novel prevention and control technologies (diagnostics, vaccines, alternative products). We cordially invite scholars to submit original research or reviews to this Special Issue, contributing to advancements in the study of viral zoonoses.

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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

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