

Special Issue

Molecular Research of Emerging Viral Pathogens in Humans and Animals

Message from the Guest Editors

In the last few decades, we have seen a rise in emerging infectious diseases in humans, over 60% of which are zoonotic. Some viruses, especially zoonotic viruses, can evolve rapidly to adapt to new hosts displaying enhanced virulence and possibly causing epidemics or pandemics. The epidemics/pandemics caused by influenza viruses, Zika virus, Ebola virus, severe acute respiratory syndrome coronavirus (SARS-CoV), Middle East respiratory syndrome (MERS)-CoV, and most recently, SARS-CoV-2 clearly exemplify the ability of emerging viruses to pose serious threats to human health within a short time. Since the number of emerging viruses is growing rapidly, new knowledge and research are needed for the effective investigation, prevention, and control of emerging viral diseases. This Special Issue will present manuscripts on different aspects of viral diseases in both humans and animals. Topics of interest include (but are not limited to): epidemiology, viral evolution, disease pathogenesis, virus–host interactions, diagnostic methods, and antiviral therapeutics against emerging viruses. Original research articles and reviews are welcome.

Guest Editors

Dr. Teng Lee Lee Jade

Faculty of Dentistry, The University of Hong Kong, Hong Kong Special Administrative Region, China

Dr. Man Lung Yeung

Department of Microbiology, School of Clinical Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong

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Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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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

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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