

Special Issue

Leveraging Technological Advancement for Pandemic Preparedness

Message from the Guest Editors

The COVID-19 pandemic has again emphasized the importance of research on viral infectious diseases for an effective pandemic preparedness strategy to minimize the impact of viral disease outbreaks. As a global effort to improve our ability to manage such events, we invite you to submit to this Special Issue on “Leveraging technological advancement for pandemic preparedness”. The Special Issue will focus on papers incorporating technological innovations into managing medically important viral infectious diseases. Many recent technologies have been incorporated into the research of managing the pandemic. Innovations in artificial intelligence, biomedical engineering, automation, genetic engineering, and biotechnology have been applied to rapidly understand the pathogenesis, therapeutics, surveillance, and other aspects of the SARS-CoV-2 virus, which includes the rapid development of the SARS-CoV-2 vaccine using the RNA vaccine technology. Applying such innovations to other viral infectious diseases is vital in enhancing pandemic preparedness levels internationally to manage future outbreaks of known and unknown viruses.

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Deadline for manuscript submissions

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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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