



Epidemiology of Emerging Infectious Disease: Importance of Surveillance and Detection in Public Health Initiatives

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Message from the Guest Editor

Infectious diseases (IDs) constitute a significant proportion of all known human diseases and have great social, economic, and environmental impacts. It is well known that a large proportion of IDs are of zoonotic origin, mostly from wildlife. Various factors at the human–animal–environment interface jointly promote the emergence of IDs, and the ongoing COVID-19 pandemic by SARS-CoV-2 has re-emphasized the key role of this interaction. Vector-borne infectious diseases are the most climate sensitive, and some of these diseases are emerging and/or re-emerging at increasing rates and appearing in new regions, posing considerable public health problems worldwide.

The challenging nature of the management of infectious diseases calls for effective constant surveillance strategies and timely identification and control of outbreaks. Epidemiological research and measurement, as well as genomic data collection might provide valuable insights in tracking the source of infection. So I would like to invite colleagues to submit their manuscripts, in the form of original research and review articles, in the field of emerging and re-emerging pathogenic agents.





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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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