Special Issue

The Role of Environment in Vector-Borne Disease Transmission

Message from the Guest Editors

The most recent Intergovernmental Panel on Climate Change report (2023) confirms that climate change continues to intensify, with rising global temperatures, more frequent extreme weather events, and shifting precipitation patterns affecting human and planetary health globally. One of the most immediate public health consequences of this environmental disruption is the emergence, spread, and intensification of vector-borne diseases. Climate changes have contributed to the geographic range expansion of multiple vector species, introduction of invasive species, and increases in disease transmission. This Special Issue aims to advance our understanding of how environmental changes, including climate change, urban development, and ecological disruption, are shaping the epidemiology, distribution, and control of vector-borne pathogens. We welcome contributions that explore environmental drivers, vector ecology, disease modeling, surveillance, and intervention strategies from local to global scales.

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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.

Editor-in-Chief

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