

Special Issue

Emerging Vector-Borne Diseases and Public Health Challenges

Message from the Guest Editors

In recent decades, we have witnessed the emergence and reemergence of several vector-borne diseases, such as Zika, chikungunya, among others. These diseases have several etiological agents, which are transmitted to humans principally through arthropod vectors, principally insects and ticks. Vector insects comprise several hematophagous invertebrate species grouped in the orders Diptera, Hemiptera, Anoplura, and Siphonaptera. These species are responsible for the transmission of many infectious diseases such as dengue, chikungunya, Zika, and hence are of great importance to public health. Climate change, environmental modification by anthropogenic actions, disordered urban growth, the globalization of international exchange, and, more recently, the COVID-19 pandemic are some factors that have helped the emergence and dissemination of human infectious diseases transmitted by vectors. This Special Issue aims to bring together relevant works on these diseases, including the biology, taxonomy, systematics, ecology and behavior of their vectors, in order to better target surveillance and control strategies and, consequently, mitigate epidemics of these diseases.

Guest Editors

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Deadline for manuscript submissions

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