

Special Issue

Research on Mosquito-Borne Pathogens

Message from the Guest Editors

Mosquito-borne pathogens are a major global health concern, responsible for transmitting diseases that affect millions of people each year. Mosquitoes act as vectors for a range of pathogens, including viruses such as dengue, Zika, chikungunya, and West Nile, as well as parasites that cause malaria and leishmaniasis. These pathogens pose serious health risks, leading to severe symptoms, chronic complications, and even death. The ability of mosquitoes to thrive in various climates, coupled with increased global travel and climate change, has expanded the geographic range of these diseases. This expansion increases the risk of outbreaks in new areas, underscoring the need for preventive measures worldwide. Understanding and addressing mosquito-borne pathogens is therefore crucial, not only to protect affected communities but also to prevent the spread of these pathogens to wider populations. In this context, this Special Issue supports and encourages publications in the fields of mosquito vector population genetics, behavior, developmental biology, and the genetics and biology of mosquito-pathogen interactions.

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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