

Special Issue

Emerging Viruses: Detection, Genomic Analysis and Antiviral Activities

Message from the Guest Editors

Emerging and re-emerging viruses represent a growing global health concern due to their remarkable ability to evolve and adapt to new ecological niches. Arboviruses are particularly relevant within this group because of their intrinsic capacity to cross species barriers during transmission cycles. This Special Issue welcomes contributions focusing on emerging and re-emerging viruses, with particular emphasis on arboviruses. We encourage submissions addressing viral detection in vectors, novel diagnostic methodologies, genomic and evolutionary analyses, and antiviral strategies. Reports describing the emergence or re-emergence of arboviruses in new geographic regions, as well as studies on sustainable vector control programs, are of special interest.

- Biotechnological uses of vector control;
- Characterization of new arboviruses and their mechanisms;
- Molecular and evolutionary aspects of arboviruses;
- Interactions between insects and arboviruses;
- Medical entomology and zoonoses;
- Epidemiology and public health;
- Neglected diseases;
- Vector-borne diseases;
- Discovery of antivirals.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

"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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