



Viral Metagenomics and Metatranscriptomics: Virus Discovery, Ecology, and Evolution

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Message from the Guest Editors

This Special Issue of *Microorganisms* will be dedicated, within the topic of viral metagenomics and metatranscriptomics, to the following themes: the virome in insect vectors and their mammalian and avian hosts; the virome in co-infection with known viral pathogens; the bat virome and other vertebrates; virus–host coevolution; virus population genetics and phylodynamics; virus quasispecies; virus host range evolution and emergence; evolution of virus genome structures; and origins of virus genes. Uncovering the complex virosphere and understanding its ecology and evolution is essential to virus epidemiological surveillance, early warning system and emergence prediction, diagnostic tools, and vaccine and antiviral drug development, which are essential to public/animal health and conservation.

The major aims of this Special Issue are to communicate the latest research data and reviews on the broad range of topics relating to virus discovery, ecology, and evolution.





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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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