

Special Issue

Detection and Identification of Emerging and Re-Emerging Pathogens

Message from the Guest Editors

The frequent emergence and re-emergence of viral epidemics have become a severe threat to public health worldwide. Among these, the prominent emerging pathogen SARS-CoV-2 has had a significant impact in recent years. Concurrently, various emerging and re-emerging pathogens, such as the mpox virus, dengue virus, adenovirus, enterovirus, and so on. The alternating epidemics and co-epidemics of pathogens, including new strains, mutants, and different serotypes, underscore the importance of enhancing the detection and identification of pathogens. Investigating the discovery, classification, and characterization of pathogens forms the foundation for understanding their prevalence, evolution, transmission, and pathogenicity, thereby providing etiological and epidemiological information for the prevention and control of related diseases.

This Special Issue focuses on the detection and identification of emerging and re-emerging pathogens, encompassing clinical pathogens, zoonotic pathogens, vector-borne pathogens, and more. It aims to enhance our understanding of the genomics, epidemiology, evolution, and pathogenicity of these pathogens, and contribute to their prevention.

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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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