

EMERGING AND REEMERGING VIRAL PATHOGENS

Volume 2

Applied Virology Approaches Related to Human,
Animal and Environmental Pathogens

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Emerging and Reemerging Viral Pathogens: Volume 2: Applied Virology Approaches Related to Human, Animal, and Environmental Pathogens comes to share applied topics of viral pathogens and its complications. The main theme of Volume 2 is applied virology approaches related to human, animal, and environmental pathogens. The topics cover most emerging viral disease in human, animal, and plant; provide the most recent advanced tools and techniques in molecular virology and in computational and modeling viruses; create awareness that the manifestation of new transmissible pathogens is a global risk; and highlight the need to adopt shared policies for the prevention and control of infectious diseases. It also concerns researchers in virology, micromolecular biology, and pharmaceutical sciences.

Key Features:

- Presents computational and bioinformatics tools, biological databases, mathematical modeling in virology
- Describes epidemiology, genetic variability, and ecology of emerging viruses
- Summarizes risk assessment and biosecurity considerations in control of emergent viruses
- Discusses Molecular mechanisms of emerging and reemerging viral infections, and therapeutic applications



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