Tentative Outline

Open Virology Journal

Guest Editor(s):

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Title:

Emerging and Zoonotic Virus Challenges of Developing Nations

Aims & Scope:

This thematic issue will serve a scientific platform to share the knowledge on infectious viral diseases which are showing added prominence in the 21st century. Most recently, Zika virus has been found with confounding situation in Asian countries. Not only this, but over the last two decades, a large number of new infections like Ebola virus, SARS, MERS, Dengue, Chickengue, West Nile, Japanese encephalitis and others with severe life-threatening and economic consequences have emerged. By and large, every year there appears to be emergence of newer viral diseases. Activities like deforestation, urbanization, ecotourism, population movement, changing climatic scenarios, etc., have led to increased interface between human and animals including wildlife, leading to flaring up of a number of zoonotic diseases. Usually viral diseases remain under-diagnosed, particularly among poor people, which reflect the limited capacity and lack of wide coverage of health services. The ecological alternations consequently have helped in evolution and adaption of several microbes to newer host species with catastrophic consequences. Higher burden of viral diseases on health services and economies is mainly seen in developing countries. The procedures adopted for their management, which although have shown promising results in the developed parts of the world, might not be suitable and pertinent comprehensively in developing countries, as the prevailing circumstances here are quite different. As viral diseases of animal origin are continuously posing challenges to the public health, adoption of improved surveillance, ultra-rapid diagnostics, prophylactics, information exchange, effective quarantine procedures and various other public health measures will certainly contribute in controlling and managing these viral affections. The key focus of this thematic issue is to address challenges in understanding and managing infectious viral diseases. This issue focuses on epidemiology of viral diseases including prevalence, incidence, risk factors, transmission, and survival of infectious viral agents along with investigation of disease outbreaks, developing effective and rapid diagnostics, their control strategies and success stories. The information will be helpful for the public health professionals, clinicians, animal owners, epidemiologists, academicians, researchers and policy makers in formulating the strategies for adopting appropriate preventive and control measures for the prevailing and upcoming viral diseases.

This special issue invites research articles, comprehensive review/mini-reviews related to virus diseases and virus research as per above theme. Research works or reviews on emerging and re-emerging viral diseases and innovations in viral disease mitigation, are affably invited.
Key words:
Emerging/Re-emerging viruses, Transboundary and zoonotic viruses, Epidemiology, Advanced diagnostics/therapeutics, Alternate / Complementary therapeutics, Vaccines, Disease, Public health, Animals, Humans, One health

Subtopics:

• Emerging/re-emerging infectious viral diseases of developing nations
• Transboundary and zoonotic infectious viral diseases
• Mitigation of infectious viral diseases through One-health concept
• Novel antiviral/alternative therapeutics to counter viral infections
• Advances in designing and development of innovative diagnostic methods
• New generation adjuvants, vaccines and vaccines based therapies

Schedule:

Manuscript submission deadline : March 31, 2017
Peer Review Due : May 31, 2017
Revision Due : June 30, 2017
Notification of acceptance by the Guest Editors : July 2017
Final manuscripts publication : August 31, 2017