Special Issue

One Health Approach: Tackling the Spillover of Zoonotic Viruses from Wildlife to Humans

Message from the Guest Editors

Zoonotic virus spillover from wildlife to humans poses a global health threat, as seen in recent pandemics. The One Health approach—integrating human, animal, and environmental health—is vital to address these risks. This framework highlights ecosystem interconnectedness, linking human well-being to wildlife and environmental health. Mitigating spillover requires robust surveillance in high-risk areas like wildlife markets and deforestation zones, enhanced by genomic sequencing to detect pathogens early. Reducing human-wildlife contact through sustainable land-use policies and biodiversity conservation is crucial. Collaborative efforts across veterinary, medical, and ecological sciences are needed to develop predictive models and early warning systems. Public health interventions must address socio-economic drivers like poverty and food security. One Health aims to build resilient systems through global partnerships and data sharing. This special issue seeks innovative research and policy analyses on zoonotic spillover, integrating social and biological sciences for holistic solutions.

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Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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