

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.

Guest Editors

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