

Special Issue

Poxviruses: Biology, Evolution, Surveillance, and Control

Message from the Guest Editors

Poxviruses comprise a diverse group of large double-stranded DNA viruses that infect a broad range of vertebrate and invertebrate hosts, including humans, domestic animals, wildlife and economically important livestock species. Poxviruses include several medically and veterinary relevant groups, such as mpox virus and other orthopoxviruses, as well as parapoxviruses and capripoxviruses, all of which are important for human and animal health, biotechnology, and One Health surveillance.

This Special Issue “Poxviruses: Biology, Evolution, Surveillance, and Control” aims to bring together original research articles, reviews, and short communications addressing recent advances in poxvirus research. The scope includes, but is not limited to viral biology, host-virus interactions, immune evasion, pathogenesis, molecular epidemiology, genomic surveillance, viral evolution, diagnostics, vaccine platforms, antiviral strategies, and the ecological aspects of poxvirus circulation. Studies focusing on human, animal, and environmental interfaces are particularly welcome, especially those contributing to a better understanding of poxvirus emergence, re-emergence, and geographic spread.

Guest Editors

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Deadline for manuscript submissions

31 January 2027



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.7
Indexed in PubMed



mdpi.com/si/287249

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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