

Special Issue

Parasites Circulation Between the Three Domains of One Health

Message from the Guest Editors

Human activities strongly influence natural habitats. Animal farms and human settlements can affect the environment indirectly by environmental pollution and directly with encroachment into wildlife habitats. Contact between wildlife and the synanthropic habitats can transmit pathogens and can increase the health risk of humans. A shortage of resources, which must be shared by human, domestic animal, and wildlife populations, can amplify the damaging effects of different pathogens. The situation is worsened by climate change that can cause the occurrence of new pathogens or new phenotypes of old ones, and modifies the environment itself. The interface between wildlife and synanthropic habitats functions in a complex way with close interdependence of all sides, which needs a special approach. One Health provides the best methods to investigate the pathogen circulation between wildlife, domestic animals and human communities.

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Deadline for manuscript submissions

30 November 2025



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/230109

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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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