

Special Issue

Occupational Exposure to Zoonotic Vector-Borne Diseases: Risks, Prevention, and Emerging Challenges

Message from the Guest Editor

Zoonotic vector-borne diseases (ZVBDs) pose significant health risks to workers in agriculture, forestry, veterinary medicine, lab research, and public health. This Special Issue explores occupational ZVBDs, focusing on epidemiology, risk factors, preventive strategies, and emerging threats. It consolidates research on exposure, covering incidence, prevalence, and trends in high-risk sectors. Key risks include work environments, job activities, and vectors like mosquitoes, ticks, fleas, and sandflies. Biological and environmental determinants, such as climate change, will also be examined. The issue discusses personal protective measures and workplace safety, emphasizing surveillance, early detection, and vector control. It addresses worker health impacts, including illnesses and psychosocial consequences. Regulatory and policy perspectives will be explored. Innovative technologies, such as remote sensing and AI, will be highlighted for risk mitigation. We invite original research, reviews, and case studies on occupational ZVBD exposure, emphasizing evidence-based practices and interdisciplinary collaborations to advance occupational health protection.

Guest Editor

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About the Journal

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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