

Special Issue

Emerging Technologies and Approaches for the Prevention and Treatment of Zoonotic Diseases

Message from the Guest Editors

Zoonotic diseases continue to pose significant risks to global health, emphasizing the need for coordinated efforts across human, animal, and environmental sectors. This Special Issue invites original research and reviews on novel technologies for the prevention and treatment of zoonotic diseases, with a focus on integrated One Health strategies. We welcome contributions on recent advances in vaccine development—mRNA, viral vector, nanoparticle-based, and thermostable platforms—as well as immunotherapeutic approaches, such as monoclonal antibodies and cytokine-based interventions. Studies addressing biotherapeutics, such as bacteriophages, endolysins, and microbiome-derived products, are also encouraged. Submissions that bridge veterinary and human medicine are particularly relevant, especially those providing insights into cross-species prevention and control of infectious diseases. This Special Issue aims to contribute to the global scientific effort to develop effective, innovative, and sustainable solutions for zoonotic disease management.

Guest Editors

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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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