

## Special Issue

# Ecological and Evolutionary Dynamics of Transboundary Animal Infectious Diseases

### Message from the Guest Editors

Safe, effective, sustainable animal production is vital to global food security, local economies, and long-established cultural practices. Animal diseases reduce production, often severely, with many having the potential to become human diseases. However, new diseases emerge and reemerge at alarming rates and expand by crossing boundaries between species, ecosystems, and geographic regions. Whereas the science behind pathogen identification, prevention, management, and response has benefited from centuries of progress, we are just beginning to understand the complex processes and mechanisms that determine how and when infectious diseases cross boundaries. The scope of this problem encompasses many disciplines, including microbiology, epidemiology, veterinary science, ecology, genetics, and evolution. For this Special Issue, we invite contributions that shed light on transboundary infectious diseases as ecological and evolutionary phenomena. Our aim is to bring together insights and approaches from multiple disciplines in the hope that synthesis, collaboration, and deeper understanding will follow.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2022)



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