Special Issue

Advances in the Research on Leptospira and Leptospirosis

Message from the Guest Editors

Leptospirosis is a neglected and re-emerging disease with high morbidity and mortality in humans and animals and is one of the most widespread zoonotic diseases worldwide. Human infections occur through direct contact with the urine of infected animals, such as rodents, livestock, and domesticated pets, and exposure through water or soil. Increasing temperature and extreme weather events, due to global climate change, can prolong the survival of leptospires in the environment, expanding the geographical distribution of these bacteria. Clinical illness in humans can range from a mild, self-limiting acute febrile illness to a severe, life-threatening condition with multiple organ dysfunction. No effective human vaccine is currently available. The pathogenesis of severe leptospirosis is poorly understood, and studies should focus on identifying potential biomarkers for diagnostic and therapeutic targets and prognostic applications. This Special Issue solicits manuscripts on One Health approach, perspectives, challenges, pathology, clinical cases, vaccine development, genomics, and recent advances in the diagnostics of leptospirosis.

Guest Editors

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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