

Special Issue

Canine and Feline Leishmaniosis: Research Advances and Diagnostic Innovations

Message from the Guest Editors

Leishmaniosis is a zoonotic disease caused by protozoa of the genus *Leishmania*, transmitted by infected female sand flies and prevalent in tropical and subtropical regions. Dogs are the primary domestic reservoirs; however, recent studies highlight infections in other species, particularly cats, now considered likely additional domestic reservoirs. Progress in understanding host immunity has improved the prevention and management of canine and feline leishmaniosis. Disease progression involves a strong humoral response, suppressed cell-mediated immunity, and clinical signs, whereas resistance is characterized by minimal signs and a strong Th1-type response. Recent findings suggest that cats elicit parasite-specific humoral and cell-mediated immunity. While canine leishmaniosis benefits from validated diagnostic protocols, feline diagnosis is currently more complex. This Special Issue seeks to foster collaboration among scientists investigating canine and feline leishmaniosis, including its epidemiology, diagnosis, treatment, and prevention. We invite original research and reviews offering novel insights into *Leishmania* infection.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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