

Topical Collection

Advances in Parasite Epidemiology and Population Genetics

Message from the Collection Editors

Intensive animal production, mass anthelmintic treatment, and climate change have significantly changed the transmission of parasitic diseases, the management of animals, and the wellbeing of humans. This Special Issue focuses on the major advances in epidemiological and population genetic study of animal parasites. Epidemiological studies include etiology, surveillance and geographical spread of parasitic diseases using traditional examination and immunological, molecular or meta-analysis tools, as well as investigations of anthelmintic treatment effects and drug resistance in clinical trials for domestic and wild animals. Population genetic studies include genetic variants within parasite populations, genetic variants in response to environmental, host or anthelmintic stress revealed by genome sequencing and bioinformatic analysis using cutting-edge tools. We welcome original research papers that provide a better understanding of the epidemiology, drug resistance and genetic variants of parasites driven by climate change, anthelmintic treatment and host immune responses.

Collection Editors

Dr. Guangxu Ma

College of Animal Sciences, Zhejiang University, Hangzhou, China

Dr. Yue Xie

College of Veterinary Medicine, Sichuan Agricultural University, Chengdu, China



Animals

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Animals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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