

Special Issue

Parasitic Nematodes in Animals: The Genomics, Control, and Drug Resistance

Message from the Guest Editors

Animal nematodes are one of the causes of animal diseases. Animal nematode infections not only cause significant economic losses worldwide, but are also a global public health problem. The complex life history of animal nematodes and the influence of environmental factors mean that nematodes are not well understood. Long-term use of anthelmintic drugs to control animal nematodes infecting livestock has led to the emergence of drug-resistant nematodes in both developed and developing countries. Therefore, there is an urgent need for further understanding of animal nematodes from genomics to support control strategies and the development of new drugs for animal nematodes.

In this issue, we will focus on the genomes, drug resistance and control measures of animal nematodes. Our scope includes the study of nematode genomes, environmental resistance, drug resistance and related molecular mechanisms, as well as the application of new drug studies or technologies that can reduce animal nematode burden and/or egg production.

We invite original research papers and reviews related to the above topics.

Guest Editors

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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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