

Special Issue

Aquatic Animal Virus, Disease and Immunity

Message from the Guest Editors

Viruses are important pathogens which can cause serious diseases of aquatic animals. The result of the battle between host and virus will determine the occurrence of diseases. On one hand, to fight against viral infections, aquatic animals have evolved complex defense systems, including innate immunity and adaptive immunity. On the other hand, viruses also develop numerous strategies such as immune evasion to antagonize host antiviral responses. In recent years, significant advances have been made in understanding not only host immunities against viruses but also virus inferences. The fundamental knowledge is being applied to prevent viral disease outbreaks and improve aquatic animal health. This special issue comprises high quality original research articles and reviews, providing a comprehensive overview on the viral diseases and antiviral defenses of aquatic animals. Highlight topics include: host-virus interactions; cellular antiviral responses and signaling pathways; immune cells; cytokines and humoral factors; vaccination and disease resistance.

Guest Editors

Prof. Dr. Xiuzhen Sheng

Laboratory of Pathology and Immunology of Aquatic Animals, Ocean University of China, Qingdao 266003, China

Prof. Dr. Li Lin

College of Animal Sciences and Technology, Zhongkai University of Agriculture and Engineering, Guangzhou 510408, China

Deadline for manuscript submissions

closed (25 April 2023)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/103890

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

[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)





Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



[mdpi.com/journal/
animals](https://mdpi.com/journal/animals)



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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)