

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

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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. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
 2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia
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