

Special Issue

Infectious Diseases in Fish: Immune, Microbiome and Endocrine Perspectives

Message from the Guest Editors

With the worldwide increase in aquaculture production and the associated trend of increasing fish culture density and the number of farms, the study of fish diseases has become a crucial component of the entire productive system due to the potential economic and ecological risks involved. Despite numerous studies focusing on the etiological agents responsible for fish infectious diseases, modern trends aim to investigate and comprehend the interrelationship between pathogen, microbiome, immune system, and endocrine regulation. The occurrence of fish diseases is significantly influenced by both environmental and endogenous factors, which, in turn, can be affected by the complex interactions of the microbiome, immune system, and endocrine factors. The objective of this Special Issue is to present recent research and reviews on infectious diseases in fish, covering the topic of how these diseases are related to the immune response, endocrine factors, and microbiota regulations.

Guest Editors

Dr. Álvaro Fernández-Montero

Fish Immunology and Pathology Group, Animal Health Research Centre (CISA-INIA-CSIC), Madrid, Spain

Dr. Yang Ding

School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA, USA

Deadline for manuscript submissions

closed (24 August 2024)



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/172695

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)