

## Special Issue

# Advances in Fish Toxicology and Pharmacology

### Message from the Guest Editor

The decline of many commercially important wild fish populations has increased the urgency of improving aquaculture technologies. Conventional management practices—particularly the heavy use of antimicrobials and disinfectants around net pens—raise concerns about environmental contamination and the emergence of antimicrobial-resistant bacteria. Tackling these challenges requires preventive and therapeutic strategies that prioritize animal health, and long-term sustainability. This Special Issue seeks to compile and highlight recent advances in fish-based toxicology and pharmacology, including mechanistic studies, environmental monitoring, drug and chemical safety assessment, aquaculture applications, and pharmacological effects on fish health. We welcome submissions on all fish species and experimental approaches, including original research articles, reviews, and short communications.

### Guest Editor

Prof. Dr. Hiroki Teraoka  
School of Veterinary Medicine, Rakuno Gakuen University, Ebetsu,  
Japan

### Deadline for manuscript submissions

30 June 2026



## Animals

an Open Access Journal  
by MDPI

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/256353](https://mdpi.com/si/256353)

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

Curtin University Sustainable Policy (CUSP) Institute, Curtin University,  
Kent St., Bentley, WA 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)