

# Special Issue

## Recent Progress in Zebrafish Research

### Message from the Guest Editors

Zebrafish is crucial for modern research, currently representing the second most used model organism worldwide. This species has been used in research since the 1970s, and its applications have escalated ever since its genome was fully sequenced, revealing around 70% of orthologue genes to humans, and the development of target mutagenesis technologies. In recent decades, the scientific community has generated several thousands of transgenic, mutant and wild-type zebrafish lines. These lines are valuable models used on edge research of pressing matters such as toxicology, embryology, genetics, drug development, and human diseases. Today, zebrafish is ubiquitously used in laboratories worldwide; however, there is a noteworthy lack of knowledge on this species' biology, such as nutrition, husbandry, and behavior, which are essential to establish standardization guidelines crucial for model species, due to their impact on experimental variability. Since 2019, the number of publications in zebrafish research has escalated, targeting not only its usage as a model and the development of new molecular technologies but also the understanding of this species' biology.

### Guest Editors

Dr. Patrícia Diogo

Necton S.A., 8700-152 Olhão, Portugal

Dr. Paulo Jorge Gavaia

Centre of Marine Sciences (CCMAR), Faculty of Medicine and Biomedical Sciences in University of Algarve, Portugal and GreenColab, 8005-139 Faro, Portugal

### Deadline for manuscript submissions

closed (15 January 2024)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/146376](https://mdpi.com/si/146376)

*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

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)