Special Issue

Functional and Sustainable Feed Strategies for Stress Resilience and Welfare Improvement in Aquatic Animals

Message from the Guest Editors

As the demand for sustainable aquaculture continues to grow, aquatic animals are continually exposed to numerous environmental and physiological stressors that can alter growth, health, welfare, and overall sustainability. The question of stress alleviation and resilience enhancement with the help of feed additives has emerged as a significant frontier of aquaculture research.

The interest of this Special Issue is to understand the roles of functional and environmentally friendly feed supplements and diet plans in the process of relieving stress, enhancing physiological processes, and improving the welfare and sustainability of the aquaculture species.

Original research manuscripts and reviews are also welcome in this Special Issue. The research areas can be (but are not limited to) the following: 1) Functional feed additives; 2) Modulation of stress and immune responses by nutrition; 3) Antioxidant self-defense and oxidative stress; 4) Physiological biomarker welfare indicators in aquaculture. The development of sustainable feed formulation and the formation of a circular bioeconomy.

Guest Editors

Prof. Dr. Seunghyung Lee

Major of Aquaculture and Applied Life Sciences, Division of Fisheries Life Sciences, Pukyong National University, Busan 48513, Republic of Korea

Dr. Abayomi Oladimeji Ogun

Aquaculture and Aquatic Resources Management, Department of Food, Agriculture, and Natural Resources, Asian Institute of Technology, Khlong Nueng, Thailand

Deadline for manuscript submissions

31 August 2026



an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 5.2 Indexed in PubMed



mdpi.com/si/261557

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

mdpi.com/journal/ animals





an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 5.2 Indexed in PubMed



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

Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
 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)

