

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

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## Animals

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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.

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### Editor-in-Chief

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