

## Special Issue

# Advances in Fish Welfare and Physiology

### Message from the Guest Editor

The growing demand for fish has led to rapid aquaculture expansion, raising welfare concerns. Ensuring high welfare standards requires understanding each species' biology from hatchery to slaughter.

Traditionally assessed through physical health indicators, fish welfare now also considers cognitive abilities and emotions, emphasizing mental well-being.

Emerging strategies, like functional feed additives (e.g., glucans, oligochitosans), reduce stress and improve immunity. Species-specific approaches are essential due to the diverse behavioural and cognitive profiles of farmed species.

This Special Issue welcomes original research and reviews on recent developments in fish welfare science. We invite contributions that explore physiological and behavioural indicators of welfare, with a particular interest in how cognitive abilities shape welfare outcomes and in testing hypotheses related to mental and physical wellbeing in aquaculture environments.

We look forward to receiving your contributions.

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### Guest Editor

Dr. Mauro Chivite Alcalde

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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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