

## Special Issue

# Functional Feeds and Antioxidant Status in Aquatic Animals: Current Research and Future Directions

### Message from the Guest Editors

Functional feeds are being increasingly recognized as a nutritional tool to improve the overall robustness and performance of aquatic animals. These feeds are designed to promote growth, feed conversion efficiency, nutrient digestibility, and immune and antioxidant status in aquatic animals.

In this Special Issue, we invite contributions focusing on the potential benefits of using functional feeds to reduce oxidative stress and improve animal robustness and/or resilience in the Aquaculture industry. Functional feeds may include additives such as pre- and probiotics, plant extracts, amino acids, protein hydrolysates, micro- and macroalgae biomasses and extracts, etc. We also aim to explore emerging areas of research, such as the use of functional feeds in promoting gut health or enhancing aquatic animal response to adverse conditions.

Overall, this Special Issue intends to highlight the importance of functional feeds to improve the performance or welfare of cultured fish and shrimp. We hope that this Issue will stimulate further research in this area and contribute to the development of more effective and sustainable aquaculture practices.

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### Guest Editors

Dr. Rita Teodósio

Dr. Maria João Xavier

Dr. Sofia Engrola

Dr. Cláudia Aragão

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### Deadline for manuscript submissions

closed (12 December 2023)



## Animals

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**Impact Factor 2.7**  
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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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2. Former Foundation Professor of Animal Welfare, University of  
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