

## Special Issue

# Gut Microbiota in Aquatic Animals

### Message from the Guest Editors

Microbiome research in aquatic animals is crucial for understanding host-bacteria interactions, particularly in the gut, where it influences digestion, nutrient absorption, immunity, and overall health. This research facilitates targeted interventions to enhance growth, disease resistance, and sustainability in aquaculture. By optimizing feed, management, and environmental conditions, production efficiency improves, reducing environmental impact. This Special Issue of *Animals* explores the complex relationship between nutrition, physiology, environment, and gut microbiota in aquatic animal production. It covers various production stages and aims to reveal how feeding practices affect microbiota composition and, consequently, animal health and production efficiency. Objectives include improving production outcomes, feed conversion ratios, and reducing antibiotic use by modulating host and environmental interactions strategically. The issue includes reviews and original research, offering insights into optimizing aquatic production systems.

Dr. Fernando Yugo Yamamoto

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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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