

## Special Issue

# Feed Additives for Improving the Immunity of Aquatic Animals

### Message from the Guest Editors

Aquaculture plays a vital role in global food security, and ensuring the health of aquatic animals is essential for maintaining production efficiency, environmental sustainability, and food safety; however, high stocking densities and environmental stressors suppress the immune systems of aquatic animals while simultaneously exposing them to a significant risk of disease outbreaks. Functional feeds, enriched with natural and synthetic additives, including, but not limited to, immunostimulants, prebiotics, probiotics, phytobiotics, and symbiotics, highlight the promising utilization of leveraging functional feeds to strengthen animals' immunity and prevent aquatic diseases. This Special Issue invites researchers to share their findings that explore the molecular and cellular mechanisms through which feed additives modulate immune responses and shape microbiome homeostasis to maintain mucosal health and enhance disease resistance. The potential risks associated with the prolonged or excessive use of feed additives are also encouraged to be highlighted in this Special Issue.

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### Guest Editors

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### Deadline for manuscript submissions

closed (29 October 2025)



## 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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