

Special Issue

Feed Vegetable Integration and Nutraceuticals Effects in Fish: The Future of Aquaculture

Message from the Guest Editors

The development of aquaculture systems requires new strategies to reduce environmental impacts and improve fish health status. Synthetic materials as hormones, antibiotics, and/or further chemical substances have been widely used in aquaculture to control diseases and promote fish growth and it can be dangerous for human health. This Research Topic will promote scientific knowledge regarding the use and effects of these vegetable substances in aquaculture as natural food supplements. Potential topics include the following:

- Blood response to feed vegetable integration in fish
- Effects of vegetable ingredients on fish growth and feed intake (meat quality and digestibility)
- Effects of vegetable ingredients on fish health
- Immunostimulant role of feed vegetable integration in aquaculture
- Potential of using vegetable industry wastes in aquaculture
- Manipulative effects (morphological and microbiological) of vegetable-based sources on the digestive system of fish
- Use of vegetable extracts as anesthetic agents in aquaculture
- Relationships between feed with vegetable components and gamete quality in fish
- Growth response and its endocrine control

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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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