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Sustainable Feed Ingredients in Freshwater Aquaculture

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Message from the Guest Editors

The cost of aquafeeds represents about 50–70% of the total production cost in intensive and semi-intensive freshwater aquaculture systems, and this has implications for the sustainable development of aquaculture. The decreasing proportion of fishmeal and fish oil in aquafeeds has coincided with an increase in the introduction of alternative protein meals and oils from a variety of sources, including plant, animal, microalgae, and insect sources. There is growing interest in incorporating agro-industrial by-products, agri-food wastes, or products from circular economic chains into aquafeeds. However, these new resources cause several adverse effects on the physiology and metabolism of fish. On the other hand, some benefits can be obtained if we consider, for example, the increased digestibility or the presence of several bioactive compounds in these new resources.



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Message from the Editor-in-Chief

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