



## Application of Protein and Amino Acid in Aquaculture Feed

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### Message from the Guest Editor

Dear Colleagues,

Aquaculture has been developing rapidly since 1986 based on the data of the Food and Agriculture Organization (FAO). Fishmeal has remained the main protein source of choice, as it contains a high protein content, adequate essential amino acid (including taurine), and no anti-nutritional factors. Since the resource of wild pelagic fish species used for fishmeal production are finite, fishmeal shortages will continue to increase because of the increase in aquaculture production. Thus, the sustainable development of aquaculture requires reducing its dependence on fishmeal.

The address to fishmeal shortage is to require the continuous search for all potential alternative protein sources, including plant, terrestrial animal, and single-cell protein sources. Apart from that, it is necessary to have a refined understanding of protein and amino acid nutrition, which will help for the nutritional shortcomings of alternative protein sources. This Special Issue aims to investigate the innovative protein and amino acid in aquaculture feed that can reduce fishmeal in feed formulation and improve sustainability in aquaculture production.

Dr. Yuliang Wei  
*Guest Editor*





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