



Nutrition and Physiology of Marine Fish

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Message from the Guest Editors

Dear Colleagues,

Fish account for 20% of the global population's animal protein intake. In particular, marine fish are unique and rich sources of omega-3 long-chain polyunsaturated fatty acids (e.g., DHA, EPA) with beneficial effects on human health. Scientists believe that fish farming will constitute a much more important food and protein source in the future. An optimal nutrient supply is crucial to fish growth, health, and reproduction during farming. For a long time, the main focus of marine fish nutrition studies has been on nutrient requirements; however, in recent decades, the interaction between nutrition and physiology has drawn a great deal of attention. The digestion, absorption, and metabolism of nutrients are associated with physiological responses in fish. For instance, the questions of why high-carbohydrate feeds induce "diabetes" in fish, and whether fishmeal can be totally replaced by plant proteins, remain to be answered. This Special Issue aims to collect studies that focus on the physiology, biochemistry, and nutrition of marine fish.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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