

Special Issue

Nutrition and Physiology of Marine Fish

Message from the Guest Editors

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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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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