Special Issue

Nutrition, Environment, and Fish Physiology

Message from the Guest Editor

The interaction between nutrition, environmental factors, and their combined effects play a crucial role in shaping the physiological responses of fish species. This summary aims to explore the intricate relationship between these factors and their impact on the physiological well-being of fish. The scope of this Special Issue encompasses a wide range of physiological processes in fish, including growth, metabolism, immune function, reproduction, and stress responses. It delves into how various nutritional components, such as proteins, lipids, carbohydrates, vitamins, and minerals, influence fish physiology. Additionally, it examines how environmental factors like temperature, water quality, salinity, pH, and pollution can modulate these physiological processes. Furthermore, it explores the synergistic or antagonistic interactions between nutrition and the environment, elucidating how they collectively shape fish health and performance. By synthesizing diverse strands of scientific inquiry, this summary contributes to the ongoing dialogue surrounding the optimization of fish production systems and the preservation of aquatic biodiversity.

Guest Editor

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