



Recent Trends in Plankton Studies on Aquaculture, Ecology and Toxicology

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Message from the Guest Editors

Dear Colleagues,

Plankton, the diverse community of microscopic organisms that is drifting in aquatic environments, plays a fundamental role in aquatic ecosystems. This special issue aims at shedding light on the multifaceted field of plankton studies, with a specific focus on its crucial implications for aquaculture, ecology, and toxicological research.

In the context of aquaculture, planktonic organisms are of great significance, as they serve as natural live feed sources for larvae in aquaculture and act as indicators of environmental and toxicological conditions within aquaculture facilities and their surrounding areas. Understanding the life history, population dynamics, biochemical properties, and physiological responses of plankton in the context of aquaculture is pivotal for optimizing production, mitigating adverse environmental impacts, and ensuring the long-term sustainability and biosecurity of this critical industry. In this special issue, we invite submissions of research and review papers that focus on the topics of aquaculture, ecology, toxicology, and the physiology of phytoplankton and zooplankton.

Guest Editors





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Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

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