Special Issue

Exploration of the Gut Microbiota for Sustainable Aquaculture

Message from the Guest Editors

Aquaculture, which continues to be the fastest-growing agri-food industry globally and employs millions along its supply chain, is not possible without regulating the health of aquatic animals. Aquatic animals' growth, behavior, digestion, immune systems, disease resistance, overall health, and output of aquaculture are all significantly influenced by their intestinal microbiomes. Therefore, normobiosis of the gut microbiota of farmed aquatic animals is crucial to sustain fast development in aquaculture. Using culture-dependent and -independent techniques, the gut microbiota of several aquatic animals have been isolated and classified at various taxonomic levels. Research indicates that numerous exogenous and/or native factors, have an impact on the gut microbiota profiles of aquatic species. To maintain fish health, improve aquaculture techniques, and create microbial-based medicines for cultured animals, it is crucial to understand the gut microbiota of aquatic species and their roles. Therefore, the aim of this Special Issue is to collect research works that investigate how the gut microbiota are important for sustainable and green aquaculture.

Guest Editors

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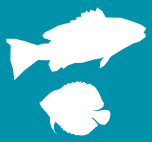

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About the Journal

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.

Editor-in-Chief

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