Special Issue

Nutrition, Metabolism and Physiology in Aquatic Animals

Message from the Guest Editors

Aquaculture plays a crucial role in supplying high-quality food for human consumption. Metabolites act as direct indicators of how these animals respond to dietary nutrients and environmental factors, thus reflecting their nutritional, metabolic, and physiological status. Therefore, studying metabolites and metabolic events, along with seeking suitable therapies to alleviate harmful symptoms, is crucial for promoting healthy and sustainable aquaculture practices and ensuring food safety.This Special Issue of Metabolites welcomes the submission of original research findings or review articles focused on nutrition, metabolism, and physiology in aquatic animals, with scopes including, but not limited to, the following: 1) exploring new metabolites and their underlying mechanisms; 2) examining the physiological mechanisms governing nutrient absorption and energy metabolism in aquatic organisms; 3) seeking effective strategies to regulate nutrient metabolism and enhance animal health; 4) developing new detection and data analysis tools for targeted and untargeted metabolomics analysis in aquaculture nutrition and physiology.

Guest Editors

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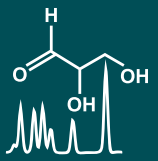

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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