

Special Issue

Application of Metabolomics Approaches and Reporting Standards in Aquaculture

Message from the Guest Editors

Aquaculture is currently acclaimed as one of the fastest-growing food systems for ensuring food security and employment for millions of people. To advance and support sustainability and profitability, advancing technologies and their application in biological science is necessary. Increasingly being applied in aquaculture, metabolomics provides opportunities to assess several factors or key issues along the aquaculture value chain, such as ecotoxicology, nutrition, thermal tolerance, postharvest quality, health and disease, husbandry practices, environmental monitoring, and more. For this Special Issue, you are invited to submit either original research manuscripts or reviews focusing on your unique aquaculture species, i.e., finfish, bivalves, crustaceans, seaweeds, etc., and your preferred metabolomics method (nuclear magnetic resonance or mass spectrometry). Research focusing on freshwater and marine aquaculture and wild harvest fisheries are welcomed. We encourage authors to engage with the Metabolomics Standards Initiative (MSI) and include standards in reports to maximise the utility of the data for other researchers.

Guest Editors

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Deadline for manuscript submissions

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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

Dr. Amedeo Lonardo

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