



## Metabolic Research in Aquatic Animal Nutrition, Physiology and Disease

Guest Editors:

**Dr. Qingchao Wang**

College of Fisheries, Huazhong  
Agricultural University, Wuhan  
430070, China

**Dr. Yan He**

College of Fisheries, Huazhong  
Agricultural University, Wuhan  
430070, China

**Dr. Qingsong Tan**

College of Fisheries, Huazhong  
Agricultural University, Wuhan  
430070, China

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Aquaculture supplies large quantities of high-value proteins to human beings and remains the most efficient protein-producing industry. Fish feed is the largest cost during aquaculture practice, and it is of great importance to explore the nutrient requirements and physiology of different aquatic animals. The last decade has seen a growing number of studies revealing the metabolic responses in aquatic animal nutrition, physiology and disease.

The inner metabolic regulatory mechanism in aquatic animal nutrition, physiology and disease remains largely unresolved. This Special Issue showcases a collection of original research and review articles that highlight the latest discoveries and advances in the field of metabolic research in aquatic animal nutrition, physiology and disease. In improving our understanding of the metabolic regulation in multiple aspects of aquatic animals, there is potential to develop functional feed components or high-efficiency fish feed, to finally promote the continual blooming of the aquaculture industry.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy  
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

## Contact Us

*Metabolites* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/metabolites](http://mdpi.com/journal/metabolites)  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)  
X@MetabolitesMDPI