

## Special Issue

# Metabolic and Endocrine Adaptations in Aquatic Animals

### Message from the Guest Editors

Climate change has brought about fires, drought, floods, food shortage, and temperature changes. To worsen this scenario, these environmental changes have been followed by an increased concentration of pollutants (pesticides, organotins, plastics, drugs, etc.) in the water. Predicting how animal hormones and metabolism will be altered to face all these new challenges is important to forecast the odds of animal survival. Therefore, the impact of environmental stresses on energy metabolism and its hormonal control is of the utmost importance for the animals' health status. The Special Issue, "Metabolic and Endocrine Adaptations in Aquatic Animals", aims to study the impact of environmental stresses (changes) on the endocrinology and metabolism of aquatic (marine and freshwater) animals, including invertebrates, such as crustaceans and mollusks, and vertebrate species that live in aquatic environments such as fishes, amphibians, and aquatic mammals. This Special Issue will accept original research papers and reviews which also focus on endocrine disruption by pollutants.

### Guest Editors

Prof. Dr. Anapaula Sommer Vinagre

Dr. Luiz C. Kucharski

Dr. Mariana Leivas Müller Hoff

### Deadline for manuscript submissions

closed (31 December 2025)



## Metabolites

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*Metabolites*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)

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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.

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### Editor-in-Chief

Dr. Amedeo Lonardo  
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-  
Universitaria, 41126 Modena, Italy

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).