

Special Issue

Impacts of Climate Change on Aquatic Animals: Advances in Cellular, Immunological Physiological, Genetic and Genomic Approaches

Message from the Guest Editors

The term climatic change refers to climatic conditions shifts over a certain time period, on account of natural causes or due to anthropogenic impacts. Although climate change research has greatly developed, responses by marine ecosystems to the aggregated effects of climate change and other anthropogenic activities remain poorly understood. These ecosystems are particularly vulnerable to climate change effects; thus their inhabitants are affected by the increased seawater temperature and increase in dissolved CO₂. Therefore, understanding the translation of water temperature into cellular and organismal signals which constrain organismal processes is of great importance for evaluating and predicting the impacts of global warming on aquatic organisms. The aims of this Special Issue include, but are not restricted to, the evaluation of the effects of global warming, seawater temperature increase, and ocean acidification on all levels of biological organization of aquatic animals by estimating their molecular, cellular, immunological, physiological, and behavioral responses.

Guest Editors

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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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