Special Issue

Physiological Response Mechanisms of Aquatic Animals to Stress

Message from the Guest Editors

In the process of aquaculture, with the improvement of intensive farming, the stress of cultured animals occurs frequently. When the stress exceeds an animal's physiological tolerance, it adversely affects aquatic animals' survival, growth, and health, ultimately leading to disease occurrence and a decline in breeding benefits. Many factors induce stress in aquatic animals, including environmental factors (water quality), biological factors (competition and pathogenic infections), and human-related factors (improper management, fishing practices, and transportation), Additionally, alterations in natural water or marine ecological environments, such as environmental pollutants, can also trigger stress responses in aquatic animals. Addressing the urgent need to understand the physiological response mechanisms of aquatic animals to stress and devising strategies to eliminate or alleviate this stress are imperative. This Special Issue warmly welcomes original articles and review articles covering the physiological response mechanisms of aquatic animals to stress, including physiology, biochemistry, immunity, metabolism, and molecular regulation.

Guest Editors

Dr. Yafei Duan

Dr. Yanming Sui

Dr. Changhong Cheng

Dr. Kai Zhang

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Fishes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fishes@mdpi.com

mdpi.com/journal/ fishes





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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

Prof. Dr. Maria Angeles Esteban

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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