

Special Issue

Advances in Fish Genome and Transcriptomes

Message from the Guest Editor

With the rapid development of next-generation sequencing technologies and bioinformatics, many high-quality fish genomes have been sequenced. This genomic work provides abundant genetic resources for a deep understanding of divergence, evolution and adaptation in the fish genomes. The transcriptome is a powerful tool that provides a better understanding of the molecular mechanisms underlying adaptation to extreme conditions such as temperature, pH, and more. It also aids in comprehending processes like sex determination, environmental adaptation, defense mechanisms, molecular breeding, nutrition regulation, and more. This tool is particularly beneficial for studying non-sequenced genome fish. I am pleased to invite you to contribute to this Special Issue on “Advances in Fish Genome and Transcriptomes” in the *Fishes* journal to enhance basic fish research and contribute to efforts aimed at conserving fish biodiversity and promoting the sustainable utilization of natural fish resources.

Guest Editor

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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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