



genes



an Open Access Journal by MDPI

Genetic Improvement of Aquatic Species

Guest Editor:

Prof. Dr. Zhiqiang Han

Fishery College, Zhejiang Ocean University, Zhoushan, China

Deadline for manuscript submissions:

closed (25 May 2024)

Message from the Guest Editor

Aquatic species are of great importance for maintaining the ecological stability, function and services of marine and freshwater ecosystems, and for supplying food resources for human beings. Given the high biodiversity and diverse phenotypic and biological features, comparative genetics studies of wild and cultured aquatic species are widely performed for genetic diversity estimation, functional gene mining, gene expression analyses, among others, and can provide essential information for further genetic and selective breeding. The advancement of next-generation sequencing techniques and bioinformatics analytical methods largely facilitate the evolutionary and developmental biology of aquatic species by using multi-omics approaches, especially for species with high-quality reference genome sequences.

Research articles and reviews focusing on comparative genetics analyses of aquatic species, especially using high-throughput techniques including RNA-seq, genotyping-by-sequencing, RAD-seq, and whole-genome resequencing, will be appreciated, as well as manuscripts covering other genetic studies of aquatic species.



mdpi.com/si/169211

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)