



genes



an Open Access Journal by MDPI

Genetics and Molecular Breeding in Fisheries and Aquaculture

Guest Editors:

Dr. Lei Liu

School of Marine Sciences,
Ningbo University, Ningbo
315832, China

Dr. Kai Zhang

College of Marine Science and
Engineering, Nanjing Normal
University, Nanjing 210023, China

Dr. Xuedi Du

College of Animal Science and
Technology, Yangzhou University,
Yangzhou 225009, China

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

Dear Colleagues,

With decades of efforts, scientists have made remarkable achievements in characterizing genomic structure, genomic variations, and the genetic basis of economically important traits of aquaculture species, which is helpful to improve production efficiency in order to satisfy consumer demands and improve the commercial profits of fisheries and aquaculture. Genetic dissection of important economic traits, including growth rate, disease resistance, sexual determination, and tolerance of various environmental stressors in aquaculture animals, has become the focus of basic research. In this Special Issue, we are interested in publishing research articles and reviews on genetics and molecular breeding in fisheries and aquaculture, including WGS and fine mapping, the construction of high-density genetic maps, trait-related markers, sex control, genome editing, multi-omics combinations of genome, transcriptome, proteome, metabolome, and epigenome, and other molecular breeding technologies application in aquatic genetics and breeding.

Dr. Lei Liu
Guest Editor



mdpi.com/si/198780

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 are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)