

## Special Issue

# Studies on the Origin, Evolution, Genetic Diversity and Adaptive Evolution of Fish

### Message from the Guest Editor

This Special Issue's current research topics of interest encourage original research papers, reviews or other types on subjects ranging from freshwater fish to seawater fish, including but not limited to the following: 1) studying the composition, structure and function of fish genomes, including features of gene localization, genome size, gene family, gene expression regulation, etc. 2) exploring the evolutionary history, kinship and phylogenetic relationships of different fish species and revealing the evolutionary relationships among fish species by comparing their genome sequences and genetic variation. 3) studying the adaptation and evolutionary processes of fish under different environmental conditions, including their adaptive evolution due to environmental factors such as temperature, ammonia nitrogen, dissolved oxygen, heavy metals and organic pollutants in the water. 4) the genetic structure, gene flow and genetic diversity of fish populations are studied through population genetics to reveal the patterns of population evolution and genetic variation. 5) undertaking the study of the overall composition and regulation of transcripts in fish genomes

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### Guest Editor

Dr. Xin Zhang

Department of Aquaculture, College of Animal Science and Technology, Sichuan Agricultural University, 211 Huimin Road, Chengdu, China

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### Deadline for manuscript submissions

closed (20 January 2025)

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## Genes

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*Genes*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto:genes@mdpi.com)

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## About the Journal

### 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?

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### 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

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