

## Special Issue

# Genetic Breeding of Aquaculture

### Message from the Guest Editors

The rapid development of aquaculture genetic breeding has brought about huge economic benefits to the global aquaculture industry. Along with the rapid development of biotechnologies, aquaculture genetic breeding has transformed from traditional selection breeding and hybrid breeding to cell engineering breeding, sex control breeding, marker-assisted selection breeding, genome-wide genotyping-based selective breeding, molecular design breeding, and genome editing breeding. Advances in basic research and the biotechnology of aquaculture genetic breeding have promoted the formation of the aquaculture seed industry in the world.

This Special Issue aims to provide a snapshot of current aquaculture genetic breeding methods, focusing on breeding technique, gene function, genomics, population genetics, genome editing, and so on. Contributions might shed light on the theoretical basis of genetic breeding technology of aquatic organisms, explore novel breeding approaches, analyze the genetic mechanism of the formation of good traits, and so on. Contributions by experts in the field in the form of research papers and critical reviews are invited.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2024)

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## Genes

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### 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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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