

Special Issue

Genetics and Genomics Applied to Aquatic Animal Science

Message from the Guest Editors

Aquatic animals play critical roles in global food supply and have become one of the primary sources for human diets. Genetic improvement of economic traits via molecular selective breeding has become increasingly important to help meet the rising food demand driven by human population growth. In particular, the genetics and genomics of aquatic animals provide huge opportunities for genetic gains in breeding programmes.

With the continuous advances in sequencing techniques and bioinformatics, genetics and genomics have been widely used in breeding studies of aquatic animals in recent years. Additionally, with the aid of RNA-seq and whole genome sequencing or resequencing methods, we could accurately evaluate the genetic regulation patterns and genetic backgrounds of aquatic resources.

In this Special Issue, we welcome papers in the field of the genetics and genomics of aquatic animals, including the identification of candidate functional genes or QTLs related to important traits and genetic resource evaluation with genome-wide markers. Manuscripts focusing on the application of high-throughput sequencing approaches and biotechnological innovations will be appreciated.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2023)

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About the Journal

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?

Editor-in-Chief

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