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Aquaculture Genetics: Latest Advances and Prospects

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Deadline for manuscript
submissions:

closed (10 December 2022)

Message from the Guest Editors

The lowering cost of massive sequencing technologies over recent years has enabled the genome sequencing of numerous fish and shellfish species with relevance in the aquaculture industry. This represents an important tool for geneticists, since whole-genome availability facilitates the search for genetic markers or genes associated with different traits of interest. Massive transcriptome analyses have also become indispensable to the study of different questions of interest (nutrition, growth, immune response, reproduction, etc.).

Due to the success of the previous Special Issue “Genetic Research in Aquaculture” (https://www.mdpi.com/journal/genes/special_issues/Aquaculture) we would like to launch a second edition. This Special Issue welcomes papers in the field of the genetics and genomics of fish, shellfish and other species of interest in aquaculture, including the identification of genetic markers, gene variants, genome sequencing, and transcriptome and epigenome analyses. Manuscripts focusing on high-throughput technologies will be welcomed, although the topic covers all aspects related to genetic research in aquaculture.



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Special Issue



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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.

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