

Special Issue

Functional Genomics in Aquaculture

Message from the Guest Editors

Advancements in functional genomics technologies combined with improved genome assemblies have enhanced understanding of genetic regulation of economically important traits in fish and shellfish species relevant to the aquaculture industry. This Special Issue welcomes manuscripts that apply these technologies in functional genomics in fish and shellfish. Studies that utilize gene editing to understand the relationship between genotype and phenotype are encouraged, as are manuscripts that characterize the transcriptomic and epigenetic response to various stimuli (nutrients and nutritional programming, environmental influences, pathogen exposure, maternal imprinting, etc.). Research that utilizes bioinformatics approaches to integrate data from different -omics applications is also welcome. Collectively, this Special Issue is intended to contribute to the development of novel husbandry strategies and breeding tools for superior genetics that advance aquaculture production efficiency and improve global food security.

Guest Editors

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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?

Editor-in-Chief

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