

Special Issue

Genetic Breeding and Reproduction of Aquatic Animals

Message from the Guest Editors

Today, genetic improvements through new breeding and reproduction technology have been well documented in several farmed aquatic animals, including fish, shrimp, crab and shellfish, etc. The genetic breeding research of aquatic animals targeting growth and feed efficiency, body shape, immunity and disease resistance, sex determination, stress tolerance, color and pigmentation, intermuscular bone, meat quality, and nutrition, etc., develops and progresses rapidly. So a deep dive into the mechanism of the above biological processes are needed to be further revealed and explained by using of new molecular biology and production technology. In this Special Issue, publications include original research and reviews in the following fields: reproduction technology; gene function analysis; mapping of genes, traits and QTLs; molecular marker screening and linkage location; associations between genes and traits; genetic diversity; variability at gene and protein levels; the characterization of gene or protein expression and control, related to phenotypic or genetic variation.

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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