

Special Issue

Molecular Biology and the Genetic Breeding of Aquatic Animals: Breakthroughs and Challenges

Message from the Guest Editor

Aquatic animals are important for ensuring the aquatic product supply in terms of high levels of proteins, unsaturated fatty acids, vitamins, and microelements. Recently, the increasing demands for aquatic products have resulted in the rapid depletion of fishery stocks all over the world. With decreasing water resources, it has become urgent to improve the aquaculture industry's efficiency and sustainability. Thus, to obtain new breeds with desirable traits such as a rapid growth, a high meat quality, and stress resistance, a variety of technologies have been developed by the molecular biology and genetic breeding fields. The present Special Issue will focus on aquaculture industry improvements in molecular biology, such as genomic sequencing and gene-editing technologies, as well as genetic breeding, such as markers' assistant selective, integration, and modification breeding. We welcome original research article and review submissions that contribute to progress in molecular biology and the genetic breeding of aquatic animals.

Guest Editor

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Message from the Editor-in-Chief

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