

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

Prof. Dr. Hongyan Xu

Integrative Science Center of Germplasm Creation in Western China (CHONGQING) Science City & College of Fisheries, Southwest University, Chongqing 402460, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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