

Special Issue

Genetics and Genomics Applied to Manage Diseases in Aquaculture

Message from the Guest Editors

Aquaculture is the leading source of aquatic food for humans, and it substantially contributes to global food production. One of the consistent problems in aquaculture is the management of health, since an increased fish density results in elevated stress, often leading to outbreaks of deadly diseases induced by viruses, bacteria, parasites, and fungi.

The marine environment could be a source of potential pathogens for organisms. The microbiomes of different animals have been widely explored with well-established technologies, such as 16S and 18S rRNA gene sequencing that identifies, classifies, and quantifies the prokaryote and eukaryote communities of the considered sample.

This Special Issue is open to contributions that integrate different approaches to understand how the disease process is altered by the different conditions in which aquatic organisms live. Research papers that integrate the classical approaches such as histology, functional immune assays with newly adopted techniques such as NGS, metatranscriptomics, and environmental parameters are encouraged. Reviews are also welcome.

Guest Editors

Prof. Dr. Antonio Figueras

Dr. Magali Rey

Dr. Amaro Saco

Deadline for manuscript submissions

closed (20 June 2024)

G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/191719

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



G C A T
T A C G
G C A T

Genes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed



[mdpi.com/journal/
genes](https://mdpi.com/journal/genes)



About the Journal

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

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham,
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))