



animals



an Open Access Journal by MDPI

Genetic and Genomic Advances in Fisheries and Aquaculture

Guest Editors:

Prof. Dr. Ismael Cross

Área de Genética, Facultad de Ciencias del Mar y Ambientales, Instituto Universitario de Investigación Marina (INMAR), Universidad de Cádiz, 11510 Cádiz, Spain

Prof. Dr. Alberto Arias-Pérez

Área de Genética, Facultad de Ciencias del Mar y Ambientales, INMAR, Universidad de Cádiz, 11510 Cádiz, Spain

Deadline for manuscript submissions:

closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

Knowledge of the genetics and genomics of aquatic resources, both open ocean and inland, will be critical in addressing the task of feeding an ever-increasing number of people on Earth. To be able to face all of these problems, it is essential to have genetic and genomic knowledge about these species, something that did not happen until relatively recently for most aquatic species.

The aim of this Special Issue is to bring together papers on genetics and genomics of cultured (aquaculture) and wild (fisheries) aquatic organisms of agri-food interest. Topics of interest include the latest advances in the evaluation of the genetic and genomic structure in wild and cultured populations; the integration of evolutionary and ecological genomics to cope with large-scale environmental changes (ocean acidification and changes in water temperature, among others); species identification by barcoding; genome sequencing; the search for markers associated with quantitative traits of interest (QTLs) such as growth, nutrition, sex determination, disease resistance, etc



mdpi.com/si/139071

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia
2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q1 (*General Veterinary*)

Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)