

Special Issue

Genetic and Genomic Advances in Fisheries and Aquaculture

Message from the Guest Editors

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

Guest Editors

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About the Journal

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: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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