

Special Issue

Genomics Applied to Fish Health

Message from the Guest Editor

Achieving a better understanding of the biological problems (nutrition, pathogens, reproduction, and environment) in aquaculture species is crucial to realizing sustainable aquaculture, and the impact of genomics upon fish health is relevant for the promotion of the sustainability of aquaculture or natural populations. Genomic research could provide relevant information to solve these problems, including information on gene structure and function, pathway regulation, transcriptional response, and protein changes. This Special Issue aims to publish high-quality, novel research on all fields of genomics applied to fish health, including all fish species, whether from aquaculture or natural populations. Manuscripts on established species, as well as new species for aquaculture diversification, are welcome. This Special Issue aims to publish contributions that focus on genomics, including the functional response of genes and proteins in fish (including the transcriptomics of coding or non-coding RNAs, proteomics, etc.), as well as gene editing applied to aquaculture species, in a context of fish health, including infectious or metabolic diseases or environmental effects upon health.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2026)



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About the Journal

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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