# Special Issue

# Germplasm Resources and Genetic Breeding of Fish

## Message from the Guest Editors

Current genetic breeding technologies employed to combat species degeneration encompass hybridization, gynogenesis, androgenesis, selective breeding, transgenic modification, and gene editing technologies. These interventions frequently yield progeny with significant enhancements in commercially important traits, including growth performance, survival rates, disease resistance, and environmental stress tolerance. Through advanced genomic approaches, including genome-wide association studies (GWAS), QTL-seq analysis, and transcriptome sequencing, researchers have successfully identified key candidate genes and genetic markers associated with economically valuable traits. This Special Issue aims to share the latest research trends and applications of "Germplasm Resources and Genetic Breeding of Fish" that might shed light on genomic evolution, regulatory mechanisms, functional genes, and novel breeding strategies. To progress in the knowledge of such intricate issues, contributions by experts in the field in the form of research papers and critical reviews are called for.

## Guest Editors

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## Deadline for manuscript submissions

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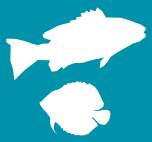

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# About the Journal

## 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
Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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