

## Special Issue

# Advances in Pathology of Aquatic Animals

### Message from the Guest Editor

Aquaculture must provide protein for the increased human population in the following decades. However, this industry faces many challenges, such as climate change, pollution, and diseases. As observed by the FAO, diseases are an important factor that reduce aquaculture productivity, resulting in millions of USD of losses and thousands of tonnes of less food. With the advances in biotechnology and multidisciplinary scientific research, we can find possible solutions to these challenges through the improvement of diets, the use of new analysis technologies such as omics sciences, the use of novel treatments, artificial intelligence, new advances in the knowledge, and the recognition of the importance of microbiota. This Special Issue aims to receive research on aspects such as the effects of climate change and pollution on the outbreaks of diseases, the novelty of the importance of microbiota, nutritional diseases, and the immune system, the progress in genomic studies related to diseases, and emerging technologies in fish farming that reduce the risk of health problems, such as the use of functional additives.

### Guest Editor

Prof. Dr. Maria Cristina Chávez-Sánchez

Centro de Investigación en Alimentación y Desarrollo, Unidad Mazatlán  
en Acuicultura y Manejo Ambiental, Sinaloa, Mexico

### Deadline for manuscript submissions

30 September 2025



## Fishes

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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.

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### Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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