

## Special Issue

# Fish and Fisheries Under Ecosystem Changes

### Message from the Guest Editor

Aquatic ecosystems face increasing threats from climate change, habitat loss, pollution, overfishing, and other human activities, significantly impacting fish stocks, biodiversity, and fisheries sustainability. Rising sea temperatures, ocean acidification, and altered hydrology disrupt natural cycles, affecting reproduction, growth, migration, and species distribution, leading to biodiversity loss and declining populations. The spread of invasive fish species is a critical challenge, displacing native species, altering food chains, competing for resources, and causing socio-economic losses. Genetic and genomic tools are essential for monitoring invasions, assessing hybridization risks, and studying adaptation.

We are pleased to invite you to contribute to this Special Issue “Fish and Fisheries Under Ecosystem Changes”. Topics may include, but are not limited to:

- The impacts of climate change on fish populations;
- The ecology and economy of invasive species;
- Genetic and genomic tools for population monitoring;
- Fish physiology and behaviour under environmental stressors;
- Shifts in fishery productivity, distribution, resilience and adaptive fishery management under ecosystem change.

### Guest Editor

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### Deadline for manuscript submissions

31 May 2026



## Animals

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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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### Editor-in-Chief

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