# Special Issue

# AI and Fisheries

## Message from the Guest Editors

Since the last decade, artificial intelligence (AI) technology, especially deep learning, has been increasingly applied to computer vision, medical image processing, earth sciences, and other fields due to its powerful non-linear representation, feature learning, end-to-end modelling, and information mining capabilities. AI technology has not only achieved significant performance improvements in various fields, but also led to a paradigm shift in scientific discovery. Therefore, we expect AI to become essential for solving complex problems in fishery sciences. To this end, this Special Issue intends to collect the results of academic applications of deep learning and other AI technologies to fisheries, including AI dataset construction for fisheries, AI technology systems, and data standards based on fishery characteristics, species and population identification, biomass estimation, habitat assessment, fishery forecasting, and other fields.
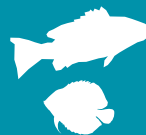
## Guest Editors

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## Deadline for manuscript submissions

closed (31 May 2024)

# 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.

### Editor-in-Chief

Prof. Dr. Maria Angeles Esteban
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