

## Special Issue

# Top Predators Under Climate Extremes: Assessing Habitat Dynamics in Marginal Seas

### Message from the Guest Editors

This Special Issue focuses on how climate extremes reshape the habitats of marine top predators in marginal seas. We invite contributions that quantify and explain habitat dynamics of East Asian finless porpoises, tuna, and other top predators in relation to marine heatwaves, cold spells, ocean fronts, and other meso-to-submesoscale processes. Our Special Issue warmly welcomes efforts to integrate fisheries acoustics, passive and active acoustic monitoring, satellite remote sensing, ocean reanalysis data, and in situ observations with eXplainable AI (XAI) and other transparent modelling frameworks. We encourage work that (i) develops or applies interpretable habitat and distribution models, (ii) links physical-biogeochemical variability to predator behaviour, foraging, and exposure to multiple stressors, and (iii) translates these insights into indicators and decision-support tools for ecosystem-based and climate-ready management of marginal-sea fisheries and protected species. Comparative case studies, methodological advances, and synthetic reviews are all suitable, provided they clearly address the role of climate extremes in shaping predator habitats.

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### Guest Editors

Prof. Wenbo Yang

Dr. Xiaomei Wang

Dr. Peng Lian

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### Deadline for manuscript submissions

15 July 2026



## 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

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