

## Special Issue

# Changes in Population Characteristics of Marine and Freshwater Organisms and Their Environmental Driving Factors

### Message from the Guest Editor

With global warming and climate change, the habitats of marine and freshwater organisms have undergone drastic changes, resulting in a series of changes in their population biology and dynamic distribution characteristics. Identifying and understanding the impact of key marine and freshwater environmental factors on the abundance and life history characteristics of biological populations can help us better understand the resource status of these organisms, assess and develop management measures, as well as better protect these biological populations. With the development of modern research methods such as machine learning, especially deep learning, satellite remote sensing, and physical ocean models, the monitoring, simulation, and prediction of habitat distribution and life history processes of biological resources have become more scientific, detailed, and identifiable. This will further help us to correctly understand the self-evolution laws and healthy development of biological populations.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the above. We look forward to receiving your contributions.

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### Guest Editor

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### Deadline for manuscript submissions

31 December 2025



## 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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