

# Special Issue

## Zero Carbon Footprint Aquaculture

### Message from the Guest Editor

As global demand for seafood continues to rise, aquaculture has become one of the fastest-growing food production sectors. However, its environmental impact—particularly its carbon footprint—raises pressing concerns for sustainable development and climate resilience. This Special Issue aims to explore transformative strategies and innovative technologies that can lead aquaculture toward a zero-carbon future. This Special Issue invites submissions of original research articles, reviews, case studies, and perspectives that focus on low-emission and carbon-neutral aquaculture systems specifically relating to the following factors: renewable energy integration in aquaculture operations; Life Cycle Assessments (LCA) of aquaculture products; low-impact feed formulations and sustainable sourcing; net-zero aquaculture system designs and technologies; innovations in integrated multi-trophic aquaculture (IMTA); and climate-smart aquaculture planning and adaptation strategies.

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### Guest Editor

Dr. Elisa Benini

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### Deadline for manuscript submissions

15 January 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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