

Special Issue

Environmental Influence in Physiological, Endocrine and Oxidative Stress Responses in Fish

Message from the Guest Editor

Across the globe, aquatic environments are rapidly changing and altering the landscape of stressors experienced by fish and other aquatic animals. Changes include alterations to thermal and flow regimes, habitat fragmentation, nutrient loading and eutrophication, plastic pollution, ocean acidification, altered species distributions, increased aquaculture production, and many other trends that are directly or indirectly caused by humans. Understanding how fish respond to stressors at the molecular and physiological levels is critical to understanding and predicting population-level responses to environmental change. In this Special Issue, we invite original research and review articles that evaluate environmental effects on the stress responses of fish, including physiological, endocrine, and oxidative stress responses. We especially welcome articles that link environmental stressors and stress responses with disease susceptibility, growth, reproductive success, or other fitness outcomes. Submitted research may include controlled experiments or observational studies conducted in laboratories, aquaculture facilities, or natural environments.

Guest Editor

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Deadline for manuscript submissions

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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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