

Special Issue

Microplastics in Aquatic Animals: Investigating Ingestion, Accumulation, and Health Effects

Message from the Guest Editor

With escalating global concerns over microplastic contamination in aquatic ecosystems and its cascading impacts on wildlife health, this special issue highlights cutting-edge research on the ingestion mechanisms and pathways, bioaccumulation dynamics, trophic transfer, ecological risk, ecosystem cycling, and physiological/toxicological consequences of microplastics in aquatic organisms.

By integrating mechanistic insights with applied conservation frameworks, we aim to advance understanding of microplastic interactions across trophic levels, reveal potential threats from physiological mechanisms to ecosystem consequences, and inform evidence-based mitigation strategies.

The contributions span multidisciplinary approaches, from molecular-scale analyses to ecosystem-level risk assessments, to address complex challenges in animal-related microplastics research, to mitigate microplastic pollution, safeguard aquatic biodiversity, and promote ecosystem resilience.

We encourage submissions in the form of original research articles, reviews, communications, commentaries, and case reports.

Guest Editor

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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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