

## Special Issue

# Aquatic Organisms Biomarkers in Toxicology: Assessing Exposure and Effects

### Message from the Guest Editors

#### **Biomarkers in Aquatic Organisms as Tools to Assess Environmental Contamination and Toxicity**

Aquatic ecosystems face increasing threats from complex pollutant mixtures. Sensitive bioindicators like fish and mussels, along with biomarkers—molecular, biochemical, physiological, and behavioral—are essential tools for detecting contaminant exposure and sublethal effects. This Special Issue welcomes studies advancing biomarker applications in aquatic environments, including mechanistic toxicity (e.g., oxidative stress, endocrine disruption), validation methods, field-to-lab approaches, and integration into risk assessment. Submissions on multi-stressor effects and underrepresented species are also encouraged. We invite original research, reviews, and methodological papers that support ecological risk assessment and environmental policy.

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### Guest Editors

**Dr. Mariana Teles**

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**Dr. Camila de Fátima Pereira de Faria**

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### Deadline for manuscript submissions

15 February 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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