# Special Issue

# Aquatic Organisms in Relation to Toxic Environmental Pollutants

## Message from the Guest Editors

Environmental pollutants such as metals, pesticides, and other organics pose serious risks to many aquatic organisms. The application of aquatic organisms has a number of advantages compared to standard chemical methods for the analysis of toxic metals in environmental samples (water, air, sediment, soil). Bioindicators give us "early warning signals" about the possible effects of pollutants on populations or communes and provide the possibility of a timely reaction in order to prevent major consequences for the environment.

Different types of organisms, plants, animals, and even humans, can be used as bioindicators of environmental pollution with toxic metals, primarily due to their ability to absorb toxic through the food chain. Pollutant leaching occurs when pesticides mix with water and move through the soil, contaminating groundwater. The purpose of this Special Issue is to publish original research as well as review articles, about recent studies of organisms that have been used worldwide as bioindicators of toxicity. We therefore invite you to submit your latest research findings and engineering practice in this field. Case studies are also welcome.

## Guest Editors


Dr. Sandra Mariza Veiga Monteiro
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Dr. Carlos Alberto e Silva Venâncio


## Deadline for manuscript submissions

closed (30 September 2023)


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## Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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