



water

an Open Access Journal by MDPI



Aquatic Organisms in Relation to Toxic Environmental Pollutants

Guest Editors:

**Dr. Sandra Mariza Veiga
Monteiro**

**Dr. Ana Catarina Gonçalves
Luzio**

**Dr. Carlos Alberto e Silva
Venâncio**

Deadline for manuscript
submissions:
closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

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.



mdpi.com/si/166647

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/X@Water_MDPI)