# Special Issue

# Plants as Pollution Indicators and Pollution Fighters in Water Environments

## Message from the Guest Editors

Plants are valuable bio-indicators of environmental pollution due to their sensitivity to various pollutants present in the air, soil and water. Their morphology, biochemical composition and structure alterations can signify exposure and the concentration of heavy metals can provide a time-integrated image. A remarkable role in many different phytoremediation processes, including volatilization, complexation or microbial degradation. In both terrestrial and aquatic, monitoring and sustainable ecosystem management approaches. Nutrient pollution, from wastewater discharge and agricultural runoff, may lead to eutrophication with the associated excessive growth of algae, dissolved oxygen depletion in water and organism death. The aim of decontamination is to restore the environmental quality by eliminating or minimizing its presence. Restoration aims to restore the ecosystems to their natural state, re-establishing native vegetation, replenishing soil nutrients and promoting overall recovery. This Special Issue focuses on the role of plants as bio-indicators and pollution remediation for which research articles, case studies or critical reviews are welcome.

## Guest Editors

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## Deadline for manuscript submissions

closed (30 August 2024)

**Water**

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/191029

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# About the Journal

## 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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