# Special Issue

# Biogeochemical Cycling of Arsenic in Groundwater and Soils

## Message from the Guest Editor

This Special Issue offers a wide view of the biogeochemical processes of arsenic in sedimental aquifers and soils, as well as the latest developments in bioremediation approaches. The issue has a broad scope encompassing not only original research articles but also reviews and comments. The topics covered by this Special Issue include, but are not limited to:

- Compositions and functional characterizations of microbial communities from arsenic-contaminated sites, microbial mobilization and transformation processes of arsenic.
- Environmental bioremediation: linked to surface water, groundwater and site remediation.
- Ecotoxicology: arsenic interacts with plants, animals and microorganisms; effects of arsenic on human health via exposure to contaminated surface water, groundwater and foods.
- Biogeochemical processes of arsenic in surface water, sedimental aquifers and soils as revealed by genomic, transcriptomic, and proteomic analyses.
- Chemical investigations of different arsenic species in sediments and soils.
- AI technology application.
- As-metabolizing microorganisms.

## Guest Editor

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## Deadline for manuscript submissions

closed (20 October 2023)

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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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