Special Issue

Environmental Biogeochemistry of Trace Elements in Contaminated Soils and Water

Message from the Guest Editors

Understanding the transfer, accumulation, and fate of potentially toxic trace elements in the natural environment is necessary in order to assess the risks to ecosystems and human health. These elements do not get eliminated; they change their chemical form and are always susceptible to remobilization in the environment by natural transformation mechanisms.

In a context of ecological risk assessment, natural environment management, and sustainable development, it is essential to acquire knowledge about the fate of metals in these different abiotic and biotic compartments of soils and water, and to define the mechanisms that condition their transfer; their bioaccumulation capacities; and, ultimately, their toxic and ecotoxicological effects on the different biological levels of integration. Indeed, knowledge of the physical and chemical form of metals, of natural or anthropogenic origin, is essential in order to understand the mechanisms of transfer and accumulation by living organisms. More Details: Trace Elements in Contaminated Soils and Water

Guest Editors

Prof. Dr. Mikael Motelica-Heino
ISTO UMR 7327 CNRS, University of Orléans, Orléans, France

Prof. Dr. Philippe Le Coustumer
Bordeaux Imaging Center, PIE, CGFB, UMS3420 CNRS-Université-US4 INSERM, 146 rue L. Saignant, CS 61292, 33076 Bordeaux cedex, France

Prof. Dr. Fabrice Muller
ISTO UMR 7327 CNRS, University of Orléans, Orléans, France

Deadline for manuscript submissions

closed (21 June 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/22514

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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 (Aquatic Science)

MDPI