Special Issue

Heavy Metals and Potentially Toxic Elements (PTEs) in Water

Message from the Guest Editor

The term “Heavy Metal” relates to metallic chemical elements of relatively high density and toxicity at low concentrations. A broader definition of potentially toxic elements (PTEs) recognises that exposure leads to a range of doses of numerous elements. They can enter the water system through direct waste release from industrial or consumer discharges, deposition from the atmosphere near emission sources, the weathering of rocks and mineral constituents, naturally or enhanced through environmental disturbance such as from mining or acid rain. This Special Issue will provide a forum for publications on topics related advancing our understanding of the release and transport of elements, chemical species and compounds in the aquatic system. This may relate to both field studies and laboratory experiments, new studies of leaching and transport, modeling of chemical species reactivity, bioaccumulation and effects on wider ecosystems and human health. The reports should be scientifically rigorous and hypothesis driven, providing demonstrable contributions to new knowledge.

Guest Editor

Prof. Dr. Andrew S. Hursthouse

School of Computing, Engineering & Physical Sciences, University of the West of Scotland, Paisley 13 PA1 2BE, UK

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

mdpi.com/journal/water

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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
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

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