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Heavy Metals and Potentially Toxic Elements (PTEs) in Water

Guest Editor:

Prof. Dr. Andrew S. Hursthouse
School of Computing, Engineering & Physical Sciences, University of the West of Scotland, Paisley PA1 2BE, UK

Deadline for manuscript submissions:
closed (30 November 2017)

Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Andrew Hursthouse
Guest Editor

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Dr. Jean-Luc PROBST
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Message from the Editor-in-Chief

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Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Water_MDPI