Special Issue

Advances in Metal Removal and Recovery from Water

Message from the Guest Editor

The metal pollution caused by natural resources and intensified human activities has led to severe problems for human and environmental health. In addition to the removal of easily mobile and toxic metal cations, the reuse of metal resources from water/wastewater has become increasingly important. Therefore, it is imperative to identify appropriate solutions that provide the efficient removal and recovery of metals from water/wastewater.

This Special Issue focuses on the use of wastewater treatment methods that effectively remove metal pollutants from wastewater as well as resource recovery. Original research papers of high scientific quality as well as review articles are welcome. Manuscripts can cover, but are not limited to, the following topics:

Efficient treatment of toxic metals from water.

The developments of economic and environmental separation technologies for the recovery of metal resources in water.

New methods for the removal and recovery of metals from water/wastewater.

Potential trends and challenges in the mechanism of metal removal and in recovery strategies.

Guest Editor

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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
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