Special Issue

New Insights on Pollution and Remediation of Trace Elements in Coastal and Estuarine Sediments

Message from the Guest Editors

Trace elements, TEs, are the most significant concentrating pollutants in sediments of coastal and Estuarine sediments. These environments are identified as the world's most heavily polluted aquatic environments by TEs. Enormous quantities of TEs were disposed in the estuarine and coastal areas because of rapid urbanization and discharges of domestic effluents, industry, fossil fuel burning, mining, groundwater use, physical and chemical weathering, and mobilization of historic contaminated sediment. In the aquatic environment, sediments have been widely used as environmental indicators for the assessment of TEs pollution and during transportation TEs undergo frequent changes due to dissolution, precipitation, and sorption phenomena that affect their performance and bioavailability. A further problem is given by their high persistence and to the potential bioavailability to aquatic organisms [...] For further reading, please follow the link to the Special Issue Website at: www.mdpi.com/journal/water/special_issues/pollution_remediation_metal_nanoparticles

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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

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