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Recycle of Drinking Water Treatment Residues

Guest Editor:

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Message from the Guest Editor

The water treatment process used to produce safe drinking water produces a large amount of residual products, depending on the untreated water source, the chemicals used for purification, and the type of unit operation used. The residues are often disposed of in landfill after the residue being dewatered or directly discharged into urban sewage systems or surface water, both of which ether increase water treatment cost or enhance the potential risks to environment. Successful recycling of the residues would be beneficial to achieve economic cycle model.

The recycling of water treatment residues has been reported to involve in various fields. Therefore, the research topics of this Special Issue include but no limitation to:

Current residual characteristics of water treatment;

Determine the potential of water treatment residues to control pollution for protection of underground/surface water.

Show how water treatment residues affect microorganisms, micro-animals, insects and animals;

Review the negative and beneficial environmental impacts of water treatment residues in water environment remediation;

Determine the accumulation of much radioactivity in water treatment residues.

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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.

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