Special Issue

Novel Desalination Technologies and Processes in Wastewater Treatment

Message from the Guest Editors

High energy consumption and wastewater disposal are the most important challenges for the sustainability of industrial water treatment. Of course, due to the difference in industrial wastewater from different units, the energy required and the composition of the remaining effluent are variable. The desalination methods are determined based on the required electrical or thermal energy depending on various factors, including the characteristics of the inlet water, available energies and so forth.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

Energy consumption in desalination;
Energy recovery in desalination;
Environmental issues related to desalination;
Hybrid desalination processes;
Related systems to desalination such as pre-treatment, post-treatment, integrated plants and brine disposal;
Renewable energy applications in desalination;
Thermal desalination processes;
Novel desalination technologies and processes.

I look forward to receiving your contributions.

Guest Editors

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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

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