



Advances in Desalination and Wastewater Treatment

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Message from the Guest Editors

Dear Colleagues,

In this special edition, we intend to compile the most relevant research related to water treatment based on desalination technologies. These tools have been applied to wastewater treatment in order to regenerate water for reuse, and techniques have been developed to obtain drinking water for humans as well as for agricultural purposes from brackish water or seawater.

Some of the drawbacks of desalination technologies are their energy consumption and the environmental problem of brine discharges. This Special Issue will also include the latest research on the best available techniques to reduce the consumption of energy, in addition to measures for the prevention and/or mitigation of environmental problems caused by brine.

Finally, new technological developments are aimed at new membrane processes which will be presented in this edition. The topics to be discussed, among others, will be:

- Wastewater regeneration;
- Water–energy nexus;
- Elimination of emerging pollutants with membrane technologies[...].

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/3V555E67J3





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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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