



water

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Water Treatment: Desalination, Treatment, Reuse and Management

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Message from the Guest Editors

In this Special Issue we want to compile the most relevant research related to water treatment based on desalination technologies applied to wastewater treatment in order to regenerate water for reuse and in the use of techniques for obtaining human drinking water and water for use in agriculture from brackish water or seawater.

Some of the drawbacks of desalination technologies are, on the one hand, energy consumption, and on the other, the environmental problem of brine discharge, which also includes the latest research on the best available techniques to reduce the consumption of energy and measures in the prevention and/or mitigation of environmental problems derived from brine.

Finally, new technological developments are aimed at new membrane processes, and you will have the opportunity to present your research within this edition. The topics to be discussed, among others, are:

- Wastewater regeneration
- Water–energy nexus
- [...]

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

[https://www.mdpi.com/journal/water/special_issues/
Desalination_Treatment_Reuse](https://www.mdpi.com/journal/water/special_issues/Desalination_Treatment_Reuse)



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Special Issue



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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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