

## Special Issue

# Advanced Technology for Desalination and Water Purification

### Message from the Guest Editors

The climate change that has been intensely observed in recent years has brought about a shortage of drinking water in many parts of the world. For countries facing desertification, a solution for the water supply and irrigation is desalination, that is, the purification of seawater and brackish water from sodium and chlorine ions. At the same time, due to industrial pollution, there is an increasing pollution of groundwater, surface and wastewater from industries with heavy metal ions. It is therefore vital for the continuation of life on Earth to develop methods of removing ions from aqueous solutions. In recent decades, methods have been developed that provide solutions but at a remarkable cost. The purpose of this Special Issue is to present and summarize publications that propose alternative innovative low-cost methods of ion removal from seawater, industrial wastewaters, and surface water and groundwater.

[https://www.mdpi.com/journal/water/special\\_issues/N729IH77YQ](https://www.mdpi.com/journal/water/special_issues/N729IH77YQ)

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 January 2024)



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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