

Special Issue

Advanced Technology for Desalination and Water Purification, 2nd Edition

Message from the Guest Editors

The climate change has brought about a shortage of drinking water in many parts of the world. This phenomenon is very pronounced in Mediterranean countries, which, in the coming decades, will even be faced with desertification, according to experts. A solution for the water supply and irrigation of these areas is desalination, that is, the purification of seawater and brackish water through the removal of sodium and chlorine ions. At the same time, due to industrial pollution, there is increasing pollution of groundwater, surface water and wastewater with the heavy metal ions used by different industries. 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. We invite articles related to alternative innovative low-cost methods of ion removal from seawater, industrial wastewaters, and surface water and groundwater, not necessarily large-scale, which may be useful to small groups or individuals in creating clean water.

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Deadline for manuscript submissions

closed (25 May 2025)



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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

Dr. Jean-Luc PROBST

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