

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

Guest Editors

Dr. Vasileios Bartzis

Department of Food Science and Technology, Faculty of Food Science, University of West Attica, Egaleo, Greece

Prof. Dr. Ioannis Sarris

Department of Mechanical Engineering, University of West Attica, 12244 Athens, Greece

Deadline for manuscript submissions

closed (20 January 2024)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.8



mdpi.com/si/139656

Water

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.8



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



About the Journal

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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,
Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Water Science and Technology)