Special Issue

Desalination and Wastewater Treatment: Chemical, Physical, and Biological Methods

Message from the Guest Editor

Water scarcity is becoming a significant problem throughout the world due to rapid population growth and the increase of industrial and commercial activities. To mitigate water demand, it is necessary to create and find alternative sources of fresh water. In this regards, the use of desalination and the reuse of wastewater is gaining much attention worldwide. Different chemical, physical and biological methods are being used to produce fresh water from seawater and wastewater. Fundamental and applied research on process improvement and the optimisation of desalination and wastewater treatment technology has gained much attention among researchers who seek to assess the feasibility of these processes to aplly them in an industrial setting. Thus, this Special Issue aims to cover the recent development and advancement of different chemical, physical, and biological methods used for desalination and wastewater treatment.

Guest Editor

Dr. Md Abu Hasan Johir

School of Civil and Environmental Engineering, Faculty of Engineering & IT, University of Technology Sydney (UTS), Sydney, NSW, Australia

Deadline for manuscript submissions

closed (31 December 2019)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/24966

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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 (Aquatic Science)

MDPI