Special Issue

Application of Nanomaterials in Water Treatment

Message from the Guest Editors

Following the increasing awareness of people on health and environmental safety issues related to water consumption for drinking purposes, household or industrial uses, the need to develop novel methodologies toward quality improvement or toxicity degradation becomes more intense. Recent advances in nanomaterials synthesis and properties tuning emerge as an excellent substrate to design new treatment approaches for the efficient capture of pollutants. The high surface area and chemical activity offered by nanomaterials is key to their implementation in water treatment practices, especially when direct adsorption mechanisms or catalytic assistance are the main objectives. However, such applications require the availability of nanomaterials in large quantities, while their cost should be kept comparable to competing conventional technologies to ensure viability. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Application_Nanomaterials

Guest Editors

Dr. Konstantinos Simeonidis

Department of Solid State Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece

Dr. Kiriaki Kalaitzidou

Analytical Chemistry Laboratory, Department of Chemical Engineering, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Deadline for manuscript submissions

closed (30 November 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/77806

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