Special Issue

Advanced Nanomaterials for Water and Wastewater Treatment

Message from the Guest Editor

Nanotechnology is being increasingly used in water treatment to improve efficiency, effectiveness, and sustainability. Some applications include nanofiltration membranes, nanoparticles for contaminant removal, nanostructured materials for catalysis, nano-biosensors for water quality monitoring, nanotechnology for water disinfection, nanocomposite materials for water treatment, nano-enabled advanced oxidation processes, nanotechnology for desalination, nanotechnology for wastewater treatment and nanotechnology for water reuse. This Special Issue aims to gather the latest research on advanced nanomaterials for water treatment highlighting innovative technologies to treat water contamination using advanced nanomaterials. Topics of interest include, but are not limited to, the following:

- Advanced functional nanomaterials for wastewater treatment;
- Advanced functional nanomaterials for drinking water treatment;
- Advanced functional nanomaterials for water reuse;
- Nanofiltration membranes for water treatment;
- Nano-biosensors for water quality monitoring.

Guest Editor

Dr. Chandran Krishnaraj

Department of Food Science and Technology, College of Agriculture and Life Sciences, Jeonbuk National University, Jeonju 54896, Republic of Korea

Deadline for manuscript submissions

25 September 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/215232

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