

Special Issue

Advanced Oxidation and Applied Chemistry for Water Disinfection

Message from the Guest Editors

This Special Issue aims to highlight recent progress in advanced oxidation and applied chemical strategies for water disinfection. Topics of interest include, but are not limited to: radical and non-radical oxidation mechanisms; nano-material-based disinfection; catalytic activation of oxidants; control of disinfection by-products; and sustainable treatment technologies.

We welcome original research and review articles that advance mechanistic understanding and practical applications in water disinfection.

Guest Editors

Dr. Lu Peng

School of Environmental Science and Engineering, Huazhong University of Science and Technology, Wuhan 430074, China

Dr. Qiqi Wan

School of Environmental and Municipal Engineering, Xi'an University of Architecture and Technology, Xi'an 710055, China

Deadline for manuscript submissions

10 October 2026



Water

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 6.7



mdpi.com/si/274260

Water
Editorial Office
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 3.5
CiteScore 6.7



[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 (Aquatic Science)