

Special Issue

Application of Advanced Oxidation Processes in Water and Wastewater Treatment

Message from the Guest Editor

In recent decades, advances in the chemical treatment of wastewaters have led to the development of a range of processes termed advanced oxidation processes (AOPs), which have found applications as diverse as the in situ remediation of groundwater, industrial wastewater treatment, water disinfection, etc. AOPs are highly efficient in eliminating emerging pollutants from water, such as pesticides, PPCPs, dyes, microplastics, microcystin, and toxic metals. However, more efforts are needed to further broaden the application of AOPs in water and wastewater treatment. This Special Issue thus aims to collect the latest experimental and theoretical advancements in AOPs. The topics include, but are not limited to:

- Fenton and Fenton-like processes;
- Ozone-based processes;
- Sulfate radical-based processes;
- Photochemistry and photocatalysis;
- Electrochemical oxidation processes;
- Radiation processes;
- Supercritical water oxidation.

Research articles, reviews, and short communications on relevant topics are welcomed.

Guest Editor

Dr. Yiqun Chen

School of Civil Engineering, Wuhan University, Wuhan 430072, China

Deadline for manuscript submissions

closed (20 September 2023)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/167426

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 3.0
CiteScore 6.0



[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)