



water

an Open Access Journal by MDPI



Integrated Catalytic Oxidation Processes for Water and Wastewater Treatment

Guest Editors:

Dr. Inmaculada Velo Gala

Department of Inorganic
Chemistry, University of Granada,
Granada, Spain

Dr. André Torres-Pinto

Laboratory of Separation and
Reaction Engineering-Laboratory
of Catalysis and Materials (LSRE-
LCM), Faculdade de Engenharia,
Universidade do Porto, Porto,
Portugal

Dr. Martina Kocijan

Department of Materials, Faculty
of Mechanical Engineering and
Naval Architecture, University of
Zagreb, Zagreb, Croatia

Deadline for manuscript
submissions:

25 August 2024

Message from the Guest Editors

Dear Colleagues,

Access to potable water is threatened by economic challenges and the world's population growth, as well as faster climate change on the Earth. This Special Issue aims to contribute to the advancement of the knowledge on environmental applications of integrated catalytic oxidation processes, as well as to the understanding of the main challenges hindering their application and scalability. The topics that will be rather covered by this Special Issue include, but are not limited to: (i) water/wastewater treatment; (ii) water desalination (iii) water/wastewater disinfection; (iv) biological treatment; (v) water reuse; (vi) reactor design and scale-up of integrated catalytic processes; (vii) solar-driven oxidation processes; (viii) photo-, electro- and photoelectrocatalytic technologies, and ix) novel energy and environmental challenges and their economical study. This Special Issue will preferably include research papers, but review papers may be submitted. Review paper proposals are expected to present sound critical overviews of the state-of-the-art topics that can help the reader to recognize the most relevant results of the research.



mdpi.com/si/198589

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)