

Special Issue

Integrated Catalytic Oxidation Processes for Water and Wastewater Treatment

Message from the Guest Editors

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.

Guest Editors

Dr. Inmaculada Velo Gala

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

Dr. André Torres-Pinto

LSRE-LCM, University of 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

closed (25 August 2024)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/198589

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)