



Wastewater Treatment by Using the Photocatalysis

Guest Editor:

Prof. Dr. Lucas Santos-Juanes

Higher Polytechnic School of
Alcoy, Polytechnic University of
Valencia, 03801 Alcoy, Spain

Deadline for manuscript
submissions:

closed (28 February 2021)

Message from the Guest Editor

Photocatalytic processes have demonstrated its potential for pollutants removal and disinfection of water obtaining good results as pre or post treatment of a traditional wastewater treatment plant. The irruption of the green chemistry concept with its twelve principles, the possibility of employing direct solar radiation as an energy source , and LED technologies have also increased the interest of these processes. For these reasons, we encourage all the researchers working in this field to send us their manuscripts with the latest advances in this area.

The main core of the manuscript must be the photocatalytic process and its applications to water treatment and should match with some of the next items: Nanomaterials; TiO₂ based processes; Catalyst modification or doping; Photo-reactors; Catalyst immobilization; Disinfection; Photo-Fenton and related processes; Solar processes Industrial wastewater; Combined processes; Emerging pollutants; Tertiary treatment





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, Grosspeteranlage 5
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)