



Recent Applications of Photocatalysis for Wastewater Treatment

Guest Editor:

Prof. Dr. Lucas Santos-Juanes

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

Deadline for manuscript
submissions:

closed (10 August 2022)

Message from the Guest Editor

Photocatalytic processes have demonstrated their potential for the removal of pollutants and disinfection of water, obtaining good results as pre- or post-treatment of traditional wastewater treatment plants. However, there still are several aspects that deserve the interest of researchers and see continuous development. Increasing photonic efficiency, synthesizing materials in the nanoscale, finding new niche applications, revalorizing wastes or designing new reactors can be highlighted, among others. The source of irradiation and the range of wavelength used are also a critical issue to be studied. The use of solar radiation has been studied during the last 20 years due to its economic and ecological convenience versus the use of lamps. Nevertheless, the revolution caused by LED technologies has also reinforced the interest of applying photocatalytic processes for water treatment, employing artificial irradiation. As can be seen, the field of photocatalysis for water treatment continues growing year by year, and we encourage all researchers working in this field to send us their manuscripts with their latest advances in this area.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)