

Special Issue

Recent Developments in Photocatalytic Water Treatment Technology

Message from the Guest Editor

Effective wastewater treatment is crucial to addressing the proliferating environmental challenges and ensuring the availability of clean water. In this context, there are now numerous alternatives to water treatment, but one particularly interesting alternative is photocatalysis; this utilizes materials that are able to accelerate chemical reactions by absorbing light, generally ultraviolet light or visible light. Photocatalysis has emerged as a promising technology with the capacity to degrade the contaminants present in water. This Special Issue, entitled "Recent Developments in Photocatalytic Water Treatment Technology", aims to provide a comprehensive exploration of the most recent advances in photocatalytic water treatment technology, with a particular emphasis on the significance of these developments in addressing the challenges associated with the contemporary environment. Photocatalysis is presented as a promising solution in this context, owing to its ability to degrade an extensive range of contaminants, including recalcitrant organic compounds, heavy metals, and pathogens, via the generation of reactive oxygen species and electrons in the presence of light.

Guest Editor

Prof. Dr. Priscy Alfredo Luque Morales
Facultad de Ingeniería Arquitectura y Diseño, Universidad Autónoma de Baja California, Ensenada 22860, Mexico

Deadline for manuscript submissions

closed (31 January 2025)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/200438

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)





Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).