Special Issue

Advances in Organic Photocatalysis

Message from the Guest Editors

Photoredox catalysis has played an important role in the development of contemporary synthetic chemistry. Many researchers in chemistry ranging from biomedical to materials science are quickly adopting the use of photoredox catalysis as a mild means of achieving unique chemical reactivity.

This Special Issue is devoted to the applications of new organic photocatalysts in organic synthesis. The Special Issue will focus on, but is not limited to, photocatalysis developments and applications for:

Photocatalytic mechanisms and kinetics;
Photophysical characterization of new organic photocatalysts;
New radical precursors in photocatalytic reactions;
The formation of carbon-heteroatom bonds using photocatalytic reactions;
The application of organic photocatalysts in the synthesis of enantiomerically enriched compounds;
The synthesis of biologically active compounds or their precursors using organocatalytic reactions;
Solar-driven photocatalytic processes;
Pilot- and full-scale applications.

Guest Editors

Dr. Tomasz Kliś

Warsaw University of Technology, Noakowskiego 3, 00-661 Warsaw, Poland

Prof. Dr. Magdalena Janus

Faculty of Civil and Environmental Engineering, West Pomeranian University of Technology, Szczecin, Al. Piastów 50, 70-311 Szczecin, Poland

Deadline for manuscript submissions

closed (15 November 2021)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/65092

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

mdpi.com/journal/catalysts

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

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 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

MDPI