

Special Issue

Catalysis for Sustainable Environmental Solutions

Message from the Guest Editor

This Special Issue entitled “Catalysis for Sustainable Environmental Solutions” is related to the design and/or development of catalysts that are able to minimize adverse environmental impacts, such as greenhouse gas emissions, VOC pollutions, the presence of emerging contaminants in water, and all related recent environmental challenges. Such tasks can be achieved by means of tuning the chemico-physical properties of the catalytic materials or proposing innovative catalytic processes such as photothermocatalysis, photoelectrocatalysis, or the combination of different advanced oxidation processes (AOPs). Research and review papers dealing with all types of heterogeneous catalysis, including photocatalysis, electrocatalysis, environmental catalysis, biocatalysis/enzymes, and nanostructured catalysis to promote good catalytic efficiency, fall within the scope of this Special Issue. Moreover, engineering solutions, such as the development of new reactors or photoreactors or the combination of different multicyclic approaches or AOPs, are also within the scope of the Special Issue, and research on them is welcome.

Guest Editor

Dr. Roberto Fiorenza

Department of Chemical Sciences, University of Catania, Viale A. Doria 6, 95125 Catania, Italy

Deadline for manuscript submissions

28 February 2026



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/226549

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 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).