# Special Issue

# Oxidative Catalysis Processes

### Message from the Guest Editors

Due to the increased environmental concerns, energy-efficient catalytic oxidation processes have to be promoted for a more sustainable future. Thus, it has become increasingly important to develop novel multifunctional materials—from design, synthesis and characterization through to application—that could function as oxidation catalysts in more environmentally-friendly processes. It is also imperative to continue improving the efficiency of the current processes themselves, be they redox, electrochemical or photochemical, through innovation in reaction engineering. Based on the above considerations, submissions to this Special Issue are welcome in the form of original research papers, reviews, or communications that highlight promising recent research and novel trends including the design, synthesis, characterization and application of novel materials, new approaches in reaction engineering, as well as modelling of materials and reactions in the field of heterogeneous oxidative catalysis.

### Guest Editors

Dr. Kalliopi Kousi

School of Engineering, Newcastle University, Newcastle upon Tyne NE1 7RU, UK

Dr. Wenting Hu

School of Engineering, Newcastle University, Newcastle upon Tyne NE1 7RU, UK

### Deadline for manuscript submissions

closed (31 October 2021)

**Catalysts**

**an Open Access Journal by MDPI**

**Impact Factor 4.0**
**CiteScore 7.6**

mdpi.com/si/73318

*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