

## Special Issue

# Green Chemistry & Engineering towards Zero-Carbon Goals

### Message from the Guest Editors

This issue is published to answer the call from both academia and industry to address current and incoming technological challenges in green catalysis. Catalysis is an interdisciplinary area where chemistry, chemical engineering, materials, and energy expertise could promote breakthroughs in fundamentals and engineering techniques.

This issue will be focused on the following areas:

- Nanostructured catalysts for renewable energy conversion

- Green catalytic synthesis of value-added chemicals such as hydrogen, bio-macromolecules, alcohols, aldehydes, carboxylic acids, etc.

- Modeling of multi-dimensional processes including heterogeneous catalysis as well as chemical processes

- Life cycle thinking on unconventional energies and products

- Rational design of chemical products for zero-carbon goals

We invite researchers to contribute original and high-quality interdisciplinary research papers or review papers devoted to currently important topics in catalysis and related subjects to be published in this Special Issue.

---

### Guest Editors

Prof. Dr. Xin Jin

Prof. Dr. Daming Gao

Prof. Dr. Raghunath Vitthal Chaudhari

---

### Deadline for manuscript submissions

closed (31 August 2023)



## Catalysts

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/150324](https://mdpi.com/si/150324)

*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto: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).