

Special Issue

Catalysts in Energy Applications II

Message from the Guest Editors

This is the second edition of the Special Issue titled “Catalysts in Energy Applications”. Most energy-related systems are dependent on catalytic processes. Catalysis is essential for all stages of the energy life cycle, from the production of fuels to consumer applications to waste management. Catalysis is the key to a wide range of energy-related processes, starting from the production of the traditional fossil fuels and ending with the emerging areas of sustainable energy, such as hydrogen fuel and solar light harvesting in artificial photosynthesis. The main focus of this Special Issue on “Catalysts in Energy Applications” will be on chemical, electrochemical, and photochemical catalytic processes, developed to address energy-related challenges. Original research papers and short reviews are welcome especially (but not exclusively) in the following areas:

- Fuel cells and batteries;
- Water splitting;
- Solar energy conversion and artificial photosynthesis;
- Electrocatalytic processes;
- Conversion of carbon dioxide;
- Fossil fuels and pollution control.

Guest Editors

Prof. Dr. Oleg Vladislavovich Levin

Dr. Daniil A. Lukyanov

Dr. Elena Alekseeva

Deadline for manuscript submissions

closed (20 March 2023)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/129891

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).