

Special Issue

Metal Oxide-Supported Catalysts

Message from the Guest Editor

We are pleased to invite you to contribute to this Special Issue, which will highlight the latest research and technological developments in this field of metal oxide-supported catalysts. Topics of interest include, but are not limited to, the following:

- Synthesis and Design of Metal Oxide-Supported Catalysts:
- Tailored metal-support interactions;
- Structural and morphological control of metal oxides;
- Functionalization of oxide supports for improved catalytic activity.
- Characterization and Mechanistic Insights:
- In situ/operando spectroscopy and microscopy studies;
- Computational modeling and theoretical insights;
- Surface chemistry and reaction mechanisms.
- Applications in Catalysis:
- CO₂ reduction and utilization;
- Hydrogen production and water splitting;
- Selective oxidation and hydrogenation reactions;
- Environmental catalysis (e.g., NO_x reduction, VOC removal);
- Biomass conversion and green chemistry applications.

We look forward to receiving your valuable contributions to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

15 October 2025



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/230861

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