

## Special Issue

# Catalysis and Technology for CO<sub>2</sub> Capture, Conversion and Utilization

### Message from the Guest Editor

The increasingly frequent climate events associated with the increase in CO<sub>2</sub> in the atmosphere require more concrete actions from society as a whole in relation to this global problem. Therefore, the scientific community has an important role to play in proposing solutions to this serious problem. In this context, this Special Issue of *Catalysts* will focus on recent advancements in the development of catalysts and technology for CO<sub>2</sub> capture, conversion and utilization. We invite researchers to contribute original research papers, review articles, and short communications related to various aspects of CO<sub>2</sub> capture, conversion and utilization. Topics of interest include, but are not limited to:

- Catalyst synthesis and characterization;
- Technology for CO<sub>2</sub> capture and utilization;
- CO<sub>2</sub> catalytic conversion;
- CO<sub>2</sub> hydrogenation;
- CO<sub>2</sub> methanation;
- Methanol synthesis from CO<sub>2</sub>;
- CO<sub>2</sub> reforming of methane

### Guest Editor

Prof. Dr. Oscar W. Perez-Lopez

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### Deadline for manuscript submissions

30 August 2025



## Catalysts

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### Message from the Editor-in-Chief

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Prof. Dr. Keith Hohn

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