



Progress in Catalysis Technology in Clean Energy Utilization

Guest Editors:

Prof. Dr. Xuesen Du

School of Energy and Power
Engineering, Chongqing
University, Chongqing 400044,
China

Prof. Dr. Xiaojiang Yao

Research Center for Atmospheric
Environment, Chongqing
Institute of Green and Intelligent
Technology, Chinese Academy of
Sciences, Chongqing 400714,
China

Dr. Peng Lu

South China Institute of
Environmental Sciences, The
Ministry of Ecology and
Environment of PRC, Guangzhou
510655, China

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Message from the Guest Editors

The need to address global challenges such as the overconsumption of fossil fuels, environmental pollution and climate change has become increasingly urgent in recent decades. The world is now in desperate need of more clean and sustainable energy. Catalysis plays an indispensable role in developing clean energy technologies, including water splitting, CO₂ reduction, N₂ fixation, H₂ fuel cells and catalytic abatement of air pollutants such as NO_x, volatile organic compounds (VOCs), soot and CO. Researchers have reported exciting advances in energy and environmentally related catalysis.

This Special Issue seeks contributions on this topic including basic and applied research, modelling and simulation and system analysis studies related to catalysis for clean energy production, conversion and utilizations. Topics of interest include, but are not limited to, the following:

- Catalysis for H₂ production, storage and utilization;
- Catalysis for renewable and clean energy conversions;
- Catalysis for carbon dioxide conversion and N₂ fixation;
- Abatement of air pollutants including NO_x, CO, CO₂, soot and VOCs using catalysis and sorption methods.





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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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