



## Catalysis for Energy Transformation Reactions

Guest Editors:

**Dr. Yuming Li**

State Key Laboratory of Heavy Oil Processing, China University of Petroleum (Beijing), Beijing 102249, China

**Prof. Dr. Huimin Liu**

School of Chemical and Environmental Engineering, Liaoning University of Technology, Jinzhou 121001, China

Deadline for manuscript submissions:

**closed (15 February 2024)**

### Message from the Guest Editors

Dear Colleagues,

After the first successful Special Issue focused on photocatalysis for energy transformation, available [here](#), we propose the second edition, titled “Catalysis for Energy Transformation Reactions”.

This Special Issue focuses on catalysis applications in a series of energy transformation reactions, including the activation of small molecules, the decontamination of wastewater, hydrogen production via water splitting, the reduction of carbon dioxide to hydrocarbon, fine chemical synthesis, and other energy transformation reactions. It discusses the fundamental aspects of all applications, as well as their proper mechanisms, thus providing essential information for extensive research in clean environment and green energy production.

