

## Special Issue

# Advances in Catalytic Processes for Carbon Neutralization

### Message from the Guest Editors

In the pursuit of sustainable development and addressing the pressing challenge of climate change, the transition to a carbon-neutral economy has become a global imperative. Catalysis plays a crucial role in various industrial applications, including energy production, chemical manufacturing, and environmental remediation. Catalysts offer a promising pathway to enhance efficiency and reduce the carbon footprint of industrial processes by accelerating chemical reactions with minimal energy input and reducing the formation of unwanted by-products. This Special Issue, entitled “Advances in Catalytic Processes for Carbon Neutralization”, is now open for submissions. Both original research articles and reviews are welcome. The main topics covered will include, but are not limited to, the following:

- Catalytic processes for the control of environmental pollutants and resourceful utilization of wastes;
- Carbon capture, utilization, and storage (CCUS) technologies;
- Hydrogen production and utilization;
- Green chemistry and sustainable catalytic processes;
- Industrial applications of catalytic processes for carbon neutrality;
- Biomass conversion and biofuel production.

### Guest Editors

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### Deadline for manuscript submissions

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