

## Special Issue

# Catalytic Applications of Nanomaterials

### Message from the Guest Editors

This Special Issue, “Catalytic Applications of Nanomaterials”, focuses on the latest research and development in this area. We specifically highlight the “green” and precise synthesis of nanomaterials as well as the novel concept of using nanomaterials in catalytic reactions to achieve various environmental and energy applications

- Nanomaterials’ design and synthesis;
- Application of nanomaterials in electrocatalysis/photocatalysis/thermocatalysis;
- Environmental catalysis (organic pollutants degradation, water disinfection, wastewater treatment, air pollution control, CO<sub>2</sub> reduction, N<sub>2</sub> fixation, etc.);
- Energy catalysis (solar to chemical energy conversion, solar cells, hydrogen generation, value-added chemicals synthesis, etc.);
- Catalytic process modeling and optimization;
- Catalytic mechanisms at the molecular level;
- Catalytic reactor design for applications;
- Any other aspects of catalysis and nanomaterials.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2023)



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