

Special Issue

Catalytic Processes in Environmental Applications

Message from the Guest Editors

Catalytic technology at the forefront of industrial exhaust treatment still faces limitations such as susceptibility to catalyst deactivation, high energy consumption, insufficient synergistic catalytic activity of multiple pollutants, etc. There is an urgent need for in-depth research to develop advanced catalytic methods that can effectively address these challenges. We warmly invite manuscripts covering (but not limited to) the following topics:

- Innovative strategies for anti-poisoning;
- Innovative strategies for multi-pollutant synergistic catalysis;
- Development on low-energy consumption catalysis;
- Problems and solutions in the practical application of industrial catalysts;
- Advanced characterization techniques for operando/in situ analysis of catalytic interfaces;
- Electro-driven/assisted catalytic strategies for efficient and low-temperature catalytic performance, etc.;
- Machine learning-assisted applications for design, optimization, and characteristics of catalysts.

Guest Editors

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Deadline for manuscript submissions

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