

## Special Issue

# Mineral-Based Composite Catalytic Materials

### Message from the Guest Editors

Minerals are widely distributed across nature, and are often used as a support for catalysts due to their special physical–chemical properties. Generally, most minerals used as catalyst supports have a layered structure, which can be roughly divided into kaolinite, smectite, vermiculite, hydromica, fiber rod stone, etc. Developing mineral-based catalysts is an important part of green catalytic technology that should be noticed in environment protection, energy conversion and other green chemical fields. This Special Issue is dedicated to collecting original research on environment protection and energy conversion, and original research, reviews and perspective articles are welcome. All the papers should relate to the following topics:

- Synthesis and modification of mineral-based catalysts;
- Catalytic pollutant degradation (including air and water pollution treatment);
- Catalytic water splitting and H<sub>2</sub> production;
- Catalytic CO<sub>2</sub> reduction;
- Catalytic conversion of biomass.

If you would like to submit papers to this Special Issue or have any questions, please contact the editor, Mr. Ives Liu ([ives.liu@mdpi.com](mailto:ives.liu@mdpi.com)).

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### Guest Editors

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Dr. Xin Liu

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### Deadline for manuscript submissions

closed (31 January 2025)



## Catalysts

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#### Editor-in-Chief

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