

## Special Issue

# Application of Porous Materials in CO<sub>2</sub> Capture

### Message from the Guest Editors

In this Special Issue, we are looking for contributions helping to:

- Understand the CO<sub>2</sub> capture mechanisms through in situ and simulation analysis;
- Determine the impact of structural properties on the CO<sub>2</sub> capture materials' overall performance;
- Offer design principles of materials with high adsorption capacity and ideal adsorption selectivity for CO<sub>2</sub> capture;
- Develop CO<sub>2</sub> capture systems at the industry scale.

The topics of interest include but are not limited to:

- The design of CO<sub>2</sub> capture systems based on porous materials;
- Industry CO<sub>2</sub> technologies;
- Direct air capture technologies;
- Structure–activity relationship of CO<sub>2</sub> capture materials;
- CO<sub>2</sub> sorption modeling and simulation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2023)



## Clean Technologies

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### Message from the Editor-in-Chief

*Clean Technologies* (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

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### Editor-in-Chief

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