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Advances in CO₂ Capture and Conversion

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Deadline for manuscript submissions:

closed (1 April 2021)

Message from the Guest Editors

This Special Issue on “Advances in CO₂ Capture and Conversion” aims to cover recent advances in the development and application of CO₂ capture and conversion processes from a chemical reaction engineering point of view, and also address the main challenges that need to be overcome in order to bring this technology to the market. Potential topics include, but are not limited to:

- techno-economic analysis of CCUS processes and roadmaps for commercialization;
- experimental demonstration of novel catalytic reactors for chemical production;
- novel capture processes, including DAC;
- modeling of capture and conversion processes; and
- CO₂ reaction mechanisms.



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Special Issue



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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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