



Existing & Potential CO₂ Re-Use: Exploring the Evolving Field

Guest Editor:

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Deadline for manuscript
submissions:
closed (31 January 2021)

Message from the Guest Editor

Dear Colleagues,

The rapid consumption and slow formation of fossil fuels, are imbalanced. Counteracting the imbalance of carbon cycle should involve CO₂ utilization and conversion. Scientists are proposing CO₂ utilization for closing the carbon cycle, but no evidence shows the option is the most convenient path. More efforts are required to assess all the ways to use CO₂ as a sustainable resource. The emission of CO₂ can be reduced by promising capture and conversion technologies. CO₂ can be converted into fuels, polymers, etc. Method for CO₂ reduction can be used in photosynthesis, electrochemical, hydrogenation, etc. The SI aims to results of cutting-edge research of carbon capture, utilization and storage, including CO₂ conversion to chemicals and fuels. The detailed results available from the journal are thought to be useful for researchers that will assess the net impacts of a CO₂ capture and utilization process, which can be obtained with LCA of CCU product and process. Papers include rigorous and transparent LCA are preferred.





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Message from the Editor-in-Chief

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