Special Issue

From Emissions to Resources: Studies on Carbon Dioxide Conversion Technologies

Message from the Guest Editors

The greenhouse effect caused by increasing anthropogenic emissions of CO2 has caused great changes in the global climate and environment. However, CO2 is of great significance as a carbon and oxygen resource in the preparation of high-value chemicals and mitigating climate change at the same time from another perspective. This Special Issue, entitled “From Emissions to Resources: Studies on Carbon Dioxide Conversion Technologies”, invites the submission of articles that address state-of-the-art technologies and new developments for carbon dioxide conversion, including, but not limited to, CO2 conversion to chemicals by the thermal catalytic, photocatalytic, electrocatalytic, enzymatic, and biological conversion of CO2 and other routes. Moreover, articles that discuss and drive the research directions of CO2 conversion are of particular interest. Keywords

- CO2 conversion
- high-value chemicals
- polymers
- catalytic conversion

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Deadline for manuscript submissions

closed (20 May 2025)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/208118

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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