

Special Issue

Carbon Capture, Utilization, and Storage (CCUS) for Clean Energy

Message from the Guest Editor

Global carbon dioxide emissions from fossil fuels and industry were 37.15 GtCO₂ in 2022, while these rose 1.1 percent in 2023 to reach a record high of 37.55 GtCO₂. Since 1990, overall global CO₂ emissions have increased by more than 60 percent, producing the well-known phenomena of climate change and global warming, with negative impacts on the Earth and human society. A solution to these problems can be provided by carbon capture, utilization, and storage (CCUS) technologies that can support the clean energy transition in several ways: tackling emissions from existing energy infrastructure, as a solution for some of the most challenging emissions, as a cost-effective pathway toward low-carbon hydrogen production, and by removing carbon from the atmosphere. I am pleased to invite you to submit your work to this Special Issue on “Carbon Capture, Utilization, and Storage (CCUS) for Clean Energy”.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2025)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/205557

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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