Special Issue

Decarbonising Energy Systems at Scale: Learning by Doing in CCUS

Message from the Guest Editor

The global transition to sustainable energy is crucial for addressing climate change, with numerous CCUS projects moving from concept to implementation and CO2 capture capacity projected to rise significantly by 2030. This Special Issue aims to highlight the progress, investments, and technological advances driving these impactful developments. Topics of interest include the following:

- Carbon Capture, Utilisation, and Storage (CCUS): Techniques and technologies for capturing CO2 from industrial processes and power generation, methods for CO2 utilisation in various applications, and strategies for long-term storage in geological formations.
- Integration and Implementation: Case studies and models for integrating CCUS technologies into existing energy systems, policy frameworks, and economic analyses.
- Environmental and Social Impacts: Assessments of the environmental benefits and potential social implications of deploying CCUS technologies at scale.

Guest Editor

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Message from the Editor-in-Chief

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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