

Special Issue

Carbon Dioxide Capture, Utilization and Storage (CCUS)

Message from the Guest Editors

Currently, increasing anthropogenic emissions of CO₂ are identified as the major driver of global warming. Carbon dioxide capture, utilization and storage (CCUS) technology is broadly recognised as one of the near-term to mid-term solutions, which plays a key role with respect to climate change mitigation. This Special Issue titled “Carbon Dioxide Capture, Utilization and Storage (CCUS)” invites articles that address state-of-the-art technologies and new developments for CCUS, including but not limited to precombustion carbon capture; post-combustion carbon capture; oxy-fuel or chemical looping combustion; CO₂ conversion to generate synthetic fuels; biomass thermal conversion; CO₂ storage; BECCUS; and other negative emissions technologies. Articles that engage with the latest research topics with respect to CCUS are particularly encouraged, such as direct air capture, electrochemical and thermochemical CO₂ catalytic reduction, biological conversion of CO₂, etc. Moreover, articles that discuss and drive the research directions of CCUS would be of particular interest.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2023)



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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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