

Special Issue

Research Trends and Challenges in Bioenergy with Carbon Capture and Storage

Message from the Guest Editor

Global energy demand is rapidly growing to meet the needs of the growing human population and socioeconomic development. Because fossil fuels still play a dominant role in global energy systems, the emission of greenhouse gases associated with fossil fuel utilization has repercussions in relation to global warming and climate change. Bioenergy with carbon capture and storage (BECCS) has recently received increasing interest as a promising technology that can generate negative emissions while generating renewable energy. However, BECCS technologies are currently in development and have scarcely been commercially demonstrated. The constraints characterizing technical barriers necessitate the development of innovative methods and approaches to formulating a successful commercial implementation of BECCS. This Special Issue aims to present and disseminate research works that increase our knowledge on BECCS technologies.

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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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