Special Issue

Recent Progress in Bio-Energy with Carbon Capture and Storage

Message from the Guest Editor

To limit the average global temperature rise to two degrees celcius in this century, bioenergy with carbon capture and storage (BECCS) can play a crucial role. The BECCS is a technology used to convert energy from biomass resources integrating with geological storage of emitted carbon. Some common bioenergy conversion technologies include pyrolysis, gasification, combustion, fermentation, and biodegradation. However, the uncertainties or challenges of BECCS technology include biomass resources, storage capacity, conflict with food security and biodiversity. The BECCS technology is a potential research area capable of meeting increasing energy demand beside reducing emission substantially. Hence, we invite researchers around the globe to contribute to this special issue and share their ideas, knowledge and experience towards the progress of the BECCS technology.

Guest Editor

Dr. Shahabuddin Ahmmad

Department of Mechanical and Product Design Engineering, Swinburne University of Technology, Hawthorn, VIC 3122, Australia

Deadline for manuscript submissions

closed (10 February 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/67058

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)