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

Prof. Dr. Dongdong Feng

Dr. Jian Sun

Dr. Zijian Zhou

Deadline for manuscript submissions

closed (20 January 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/96516

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)

MDPI