Special Issue

Carbon Capture and Storage: Latest Advances and Prospects

Message from the Guest Editors

With the great economic development and numerous causes of fossil fuel consumption, the rapid increase in excessive carbon emission has become an urgent issue faced by the world. To meet the carbon-neutral vision, decarbonisation techniques were needed and encouraged. Carbon capture and storage was one of the most effective methods to reduce carbon emissions. It includes the technologies of greenhouse gas capture from fossil-fuel-fired power stations, refineries, chemical plants, etc. Technologies of carbon storage in different media, such as deep saline aquifers, oil and gas reservoirs, coal beds, deep oceans, and so on, also need comprehensively studying. We, therefore, invite the submission of papers on innovative technical developments, reviews, case studies, analytical studies, and assessment papers from different disciplines, which are relevant to carbon capture methods, CO2 emission distribution, carbon storage mechanisms, underground and in oceans, carbon source and sink matching, CO2-enhanced oil, and gas recovery, CO2-assisted natural gas hydrates, and coal bed methane development topics.

Guest Editors

Prof. Dr. Huanquan Pan

Prof. Dr. Long Yu

Dr. Jinjie Wang

Deadline for manuscript submissions

closed (30 November 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/173900

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)