

Special Issue

Exploring Hydrocarbons in Carbonate Reservoirs

Message from the Guest Editors

Carbonate reservoirs are one of the obstacles in exploration and development due to their complex geological conditions, strong heterogeneity, and diverse types. In recent years, with the development of geological theories, rock physical technologies, well-logging evaluation methods, forward modelling, fracture prediction, and fluid detection, many new advances have been made in carbonate reservoir exploration technologies, evaluation methods, and field applications. This Special Issue will compile research results on petrophysics, numerical simulation, well-logging evaluation, reservoir prediction, and other oil and gas exploration methods and technologies of carbonates, as well as practical application studies. Topics of interest for publication include, but are not limited to:

- Theory, experiments, and application of rock physics.
- Construction method and numerical simulation of carbonate digital rock models.
- Logging identification and parameter evaluation of carbonate reservoirs.
- Prediction of fluid distribution and geophysical response in carbonate reservoirs.
- Application of hydrogeology in carbonate geomorphology and key zones.

Guest Editors

Dr. Weichao Yan

Frontiers Science Center for Deep Ocean Multispheres and Earth System, Key Lab of Submarine Geosciences and Prospecting Techniques, College of Marine Geosciences, Ocean University of China, Qingdao 266100, China

Dr. Huaimin Dong

School of Geological Engineering and Geomatics, Chang'an University, Xi'an 710054, China

Deadline for manuscript submissions

closed (31 October 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/146343

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://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)