Special Issue

Recent Advances in Oil Shale Conversion Technologies

Message from the Guest Editor

Recent advances in oil shale conversion technologies are important for the full development of this abundant resource. Innovative approaches in oil shale conversion, such as in situ retorting, oxidative-assisted pyrolysis, steam-assisted cracking, hydrothermal decomposition and catalytic pyrolysis, have emerged as key areas of interest and research focus. These technologies aim to enhance the efficiency, yield, recovery and environmental performance of oil shale conversion processes, providing sustainable solutions for the production of shale oil and gas from oil shale. Topics of interest for publication in this Special Issue include, but are not limited to, the following:

- In situ conversion technology;
- Oxidative-assisted pyrolysis;
- Steam-assisted pyrolysis;
- Hydrous pyrolysis;
- Catalytic pyrolysis;
- Advanced heat transfer technologies;
- Enhanced oil recovery technologies;
- Low carbonization development;
- Environmental issues and challenges;
- Socioeconomic impact and policy editor.

Guest Editor

Dr. Sunhua Deng
College of Construction Engineering, Jilin University, Changchun 130021, China

Deadline for manuscript submissions

10 November 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/204506

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