



Advances in Oil and Gas Drilling Technologies

Guest Editors:

Dr. Mingyi Guo

College of Construction
Engineering, Jilin University,
Changchun 130021, China

Dr. Kun Bo

College of Construction
Engineering, Jilin University,
Changchun 130021, China

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

The exploration of deep, unconventional oil and gas resources has become the main arena in the current energy industry, which has promoted the rapid improvement and development of drilling technology. Extensive research on the integrated automatic drilling rig, drilling tools, well logging, measurement while drilling, drilling and completion fluid, and enhanced recovery strategy et al, sheds light on addressing the problem that refers to drilling in extreme conditions and drives another booming fossil fuel era.

This Special Issue aims to present the most recent advances related to the oil and gas drilling technologies of all types of equipment, tools, materials, theories, software, and methods.

Topics of interest for publication include, but are not limited to:

- Drilling rig and tools;
- Drilling and completion fluid;
- Geomechanics in drilling;
- Drilling hydraulics;
- Nanomaterial application in oil and gas industry;
- Well logging, testing and evaluation;
- Well completion methods and materials;
- Application of artificial intelligence, machine learning and data analytics in oil and gas drilling.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)