Special Issue

Advances in Shale Oil and Shale Gas Technologies

Message from the Guest Editor

The relatively short production span observed in unconventional reservoirs demands novel solutions for optimizing drilling, completion, and improved recovery efficiencies. On the other hand, the consolidation and analysis of multiple sources of data are becoming key enablers for the discovery of strong production drivers and building predictive models for complex rock-fluid interactions on fractured media. This issue will seek to ignite contrasting perspectives towards optimal shale play management. Potential topics of interest include, but are not limited to:

- Advances in shale reservoir characterization techniques and workflows;
- Analysis of physical-chemical interactions of shale rocks with drilling, injected, or in-situ fluids;
- Novel technologies to address the complex challenges in the modeling and simulation of hydrocarbon production from shale formations;
- Geomechanical aspects and impacts on shale reservoirs;
- Novel methods for enhanced hydrocarbon recovery in shale reservoirs;
- Machine learning and data science applications for unlocking new insights in shale resources exploitation;
- Best practices and lessons learned from field applications.

Guest Editor

Dr. José A. Torres

Computational Hydrocarbon Laboratory for Optimized Energy Efficiency, University of Pau and Pays de l'Adour, 64012 Pau, France

Deadline for manuscript submissions

closed (30 September 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/40829

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)