

Special Issue

Shale Oil and Gas Production Technologies: Analysis, Modeling and Application

Message from the Guest Editor

As one of the most important unconventional oil and gas resources, shale oil and gas have gained more and more attention, especially in North America and China. Shale oil and gas are geo-resources stored in shale formations, mainly in the form of adsorption and free states. Shales develop nanoscale pore-throat systems and have diverse pore morphologies. Therefore, the storage and flow of oil and gas in nanoscale pores are different from conventional reservoirs, which are significantly affected by the nano-confinement effect, making them more difficult to exploit. At present, the controlling effect of shale pore-throat microstructures on the storage and flow of shale oil and gas is not clearly understood, constituting a hot issue in current shale oil and gas production. Thus, it is important to collect the latest analysis, modeling and application research on this subject. Works pertaining to shale oil and gas storage and flow research, including shale microstructure characterization, shale oil and gas adsorption/desorption evaluation, shale oil and gas mobility evaluation and enhanced oil and gas recovery are of particular interest for this Special Issue.

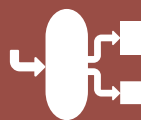
Guest Editor

Dr. Junqian Li

School of Geosciences, China University of Petroleum (East China),
Qingdao 266580, China

Deadline for manuscript submissions

closed (30 September 2023)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/139519

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

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





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, 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, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))