

Special Issue

Geological and Engineering Problems in the Development of Unconventional Oil and Gas Reservoirs (2nd Edition)

Message from the Guest Editor

This Special Issue aims to bring together cutting-edge research on the latest challenges and advancements in unconventional hydrocarbon reservoir exploration and development.

- **Reservoir Characterization:** Petrophysical, geomechanical, and geochemical evaluations.
- **Seismic and Well Log Interpretation:** 2D/3D seismic analysis, fracture modeling, and log-based reservoir assessment.
- **Exploration and Development Strategies:** Advances in hydraulic fracturing, drilling technologies, and enhanced recovery methods.
- **Basin Analysis and Petroleum Systems:** Source rock evaluation, migration pathways, and unconventional resource assessment.
- **Machine Learning and AI Applications:** Predictive modeling for reservoir performance and optimization.

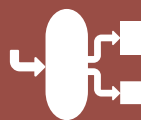
Guest Editor

Prof. Dr. Mohamed I. Abdel-Fattah

Petroleum Geosciences and Remote Sensing Program, Department of Applied Physics and Astronomy, University of Sharjah, Sharjah 27272, United Arab Emirates

Deadline for manuscript submissions

20 June 2026



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/230929

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))