Special Issue

Recent Advances in Reservoir Stimulation and EOR Technology in Unconventional Reservoirs

Message from the Guest Editors

Topics include, but are not limited to:

- Rock mechanics problems associated with reservoir stimulation, including rock properties changes at high temperatures and pressures or acid–rock reaction conditions, rock microfracture generation during hydraulic fracturing, stress field changes after hydraulic fracturing, water–rock reaction, acid–rock reaction.
- New research on hydraulic fracture initiation pressure or geometry, including fracture initiation and propagation during hydraulic fracturing, fracture initiation pressure or initiation effectiveness in the horizontal wellbore, stress shadow between multiple fractures, and fracture re-orientation when re-fracturing.
- New methods to improve the stimulation effectiveness, including CO2 fracturing, temporary plugging and diverting fracturing, liquid nitrogen fracturing, etc.
- New highly effective EOR technology, including supercritical CO2 flooding, surfactant flooding, nanofluids, nanoemulsions, spontaneous absorption, etc.
- New applications using reservoir stimulation technology and EOR technology, including the development of dry heat rock resources or geothermal, coal bed methane, and hydrates.

Guest Editors

Dr. Lufeng Zhang

Prof. Dr. Linhua Pan

Dr. Yushi Zou

Dr. Jie Wang

Dr. Minghui Li

Dr. Wei Feng

Deadline for manuscript submissions

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/128216

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

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))

MDPI