

Special Issue

Enhanced Oil Recovery Processes Evaluation, Design and Implementation

Message from the Guest Editor

This Special Issue is expected to bring together contributions covering all phases of an EOR project, namely, research, planning, field implementation, and surveillance. Many EOR projects and evaluations have been performed in the last decade, proving that EOR methods still have significant momentum globally. There is value to be unlocked in every aspect of an EOR project. Although there are several EOR techniques available, the focus is suggested, but not limited to, some certain processes. The focus is based on the suitability and applicability of each process, possible synergies, and possible support for carbon-efficient reservoir management. We also encourage papers on **machine learning and artificial intelligence applications in enhanced oil recovery**.

- Chemical EOR: polymer, alkali, nanoparticles, surfactant, microbial, solvent and foams;
- Low-salinity water flooding, smart water, engineered water;
- Thermal EOR: steam injection (cyclic or continuous), in situ combustion;
- Immiscible/miscible gas injection (either hydrocarbon, CO₂, N₂).

Guest Editor

Dr. Rafael E. Hincapie

1. Institute of Subsurface Energy Systems, Clausthal University of Technology, 38678 Clausthal-Zellerfeld, Germany
2. OMV Exploration & Production GmbH, 1020 Wien, Austria

Deadline for manuscript submissions

closed (20 March 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/98303

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

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



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