Special Issue

Experimental and Modeling Study of Waxy Oils

Message from the Guest Editors

Wax is a natural constituent of many crude oils and gas condensates. The precipitation of waxy components from crude oils or gas condensates at low temperatures can manifest into various flow assurance issues that impede safe and efficient oil and gas production. Oil and gas companies spend millions preventing and treating wax-related production issues each year, and this number rises even more if the issues occur in deep-water fields. Understanding the behaviors of waxy oils is vital for developing effective prevention and remediation techniques. This Special Issue aims to collect original research or review articles on experimental and modeling study of waxy oils. Topics of interests include wax deposition mechanisms, the modeling of wax deposition in single and multiphase flows, the rheology of waxy oils, developing and optimizing remediation and prevention techniques, and the restarting of gelled pipes.

Guest Editors

Dr. Yingda Lu

Hildebrand Department of Petroleum and Geosystems Engineering, the University of Texas at Austin, Austin TX, USA

Dr. Kristofer Paso

The Norwegian University of Science and Technology, Department of Chemical Engineering, Trondheim, Norway

Deadline for manuscript submissions

closed (20 June 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.2

mdpi.com/si/82579

Energies
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 3.0
CiteScore 6.2

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)