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Advances in Enhanced Heavy Oil Recovery Technologies

Guest Editors:

Dr. Min Yang

submissions:

Deadline for manuscript

closed (30 April 2024)

Message from the Guest Editors

Prof. Dr. Yanyu Zhang Currently, the large-scale development of heavy oils is achieved by thermal technologies, which mainly include Prof. Dr. Pengcheng Liu cyclic steam stimulation, steam-assisted gravity drainage, and steam flooding. However, in order to achieve Dr. Xiaofei Sun environmental and economic objectives, conventional Dr. Xiang Zhou thermal technologies might be not enough, and enhanced heavy oil recovery might be required. Dr. Long Xu

> Several variations of steam, chemicals, and solvent injection technologies will play a crucial role in the coming vears to achieve the defined oil recovery. Technologies known as solvent vapor extraction, steam injection using chemical additives, and expanding solvent-steam assisted gravity drainage, are examples of this class of methods.

> This Special Issue, entitled Advances in Enhanced Heavy Oil Recovery Technologies in the journal of Applied Sciences, addresses the important role of these new technologies to enhance heavy oil recovery.

- heavy oil
- enhanced oil recovery
- mechanisms
- modelling
- optimization
- experimental analysis
- techno-economic feasibility
- Harmful gas emissions
- future development
- novel technologies



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Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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