

Special Issue

Advances in Enhanced Heavy Oil Recovery Technologies

Message from the Guest Editors

Currently, the large-scale development of heavy oils is achieved by thermal technologies, which mainly include cyclic steam stimulation, steam-assisted gravity drainage, and steam flooding. However, in order to achieve environmental and economic objectives, conventional thermal technologies might be not enough, and enhanced heavy oil recovery might be required. Several variations of steam, chemicals, and solvent injection technologies will play a crucial role in the coming years 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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Message from the Editor-in-Chief

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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