

## Special Issue

# CO<sub>2</sub> EOR and Sequestration: Conventional and Unconventional Reservoirs

### Message from the Guest Editors

CO<sub>2</sub>-EOR not only increases oil recovery but also contributes to CO<sub>2</sub> sequestration in geological formations. While the field demonstrations projects of CO<sub>2</sub> sequestration in oil and gas reservoirs and saline aquifers are on rise; the fundamental understanding of CO<sub>2</sub> interactions with reservoir oil and brine, experimentation of multiphase flow in porous media and numerical simulations provide pore- and core- scale insight. The use of chemical additives with CO<sub>2</sub> has also been studied and applied for CO<sub>2</sub>-EOR field projects. In recent years, the utilization of CO<sub>2</sub> in unconventional reservoirs has also shown promising results. Huff-and-Puff and Cyclic injection activities are increasing in unconventional resources. CO<sub>2</sub> EOR can play an important role in Carbon Capture Utilization and Storage (CCUS) to minimize the carbon footprint of the current oil recovery process while improving the efficiency of oil extraction. This special issue invites scientific output in the following topics:

- CO<sub>2</sub> Flooding: Miscible, immiscible and WAG
- Huff-n-puff and Cyclic Gas Injection
- CO<sub>2</sub>-foams: Lab Design, Pilot and Field tests
- Field demonstration
- CO<sub>2</sub> sequestration

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### Guest Editors

Prof. Dr. Japan Trivedi

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Dr. Madhar S. Azad

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### Deadline for manuscript submissions

closed (20 November 2020)



## Energies

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### Editor-in-Chief

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