



Recent Advances in Reservoir Stimulation and EOR Technology in Unconventional Reservoirs

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Deadline for manuscript
submissions:

closed (15 July 2023)

Message from the Guest Editors

Topics include, but are not limited to:

- Rock mechanics problems associated with reservoir stimulation, including rock properties changes at high temperatures and pressures or acid-rock reaction conditions, rock microfracture generation during hydraulic fracturing, stress field changes after hydraulic fracturing, water-rock reaction, acid-rock reaction.
- New research on hydraulic fracture initiation pressure or geometry, including fracture initiation and propagation during hydraulic fracturing, fracture initiation pressure or initiation effectiveness in the horizontal wellbore, stress shadow between multiple fractures, and fracture re-orientation when re-fracturing.
- New methods to improve the stimulation effectiveness, including CO₂ fracturing, temporary plugging and diverting fracturing, liquid nitrogen fracturing, etc.
- New highly effective EOR technology, including supercritical CO₂ flooding, surfactant flooding, nanofluids, nanoemulsions, spontaneous absorption, etc.
- New applications using reservoir stimulation technology and EOR technology, including the development of dry heat rock resources or geothermal, coal bed methane, and hydrates.





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Message from the Editor-in-Chief

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