

--- Peer-Reviewed Journal Articles --- *Published Articles*

1. **Faisal Altawati**, Hossein Emadi. Effects of cyclic cryogenic treatment on rock physical and mechanical properties of Eagle Ford shale samples - An experimental study. Journal of Natural Gas Science and Engineering 2021;88:103772. *(Published)*
2. **Faisal Altawati**, Hossein Emadi, Sunita Pathak. Improving Oil Recovery of Eagle Ford Shale Samples Using Cryogenic and Cyclic Gas Injection Methods - An Experimental Study. Fuel 2021:302:121170. *(Published)*
3. **Altawati, F.**, Emadi, H. & Khalil, R. An experimental study to investigate the physical and dynamic elastic properties of Eagle Ford shale rock samples. Journal of Petroleum Exploration and Production Technology 2021;11(9):3389-408. *(Published)*
4. Khalil R, Emadi H, **Altawati F.** Investigating the effect of matrix acidizing injection pressure on carbonate-rich Marcellus shale core samples: an experimental study. Journal of Petroleum Exploration and Production Technology 2021;11(2):725-34. *(Published)*
5. Khalil R, Emadi H, **Altawati F.** Effects of Pressurizing Cryogenic Treatments on Physical and Mechanical Properties of Shale Core Samples—An Experimental Study. Gases 2021;1(1):33-50. *(Published)*
6. **Faisal Altawati**, Hossein Emadi, Rayan Khalil, Lloyd Heinze, and Habib Menouar. An experimental investigation of improving Wolfcamp Shale-Oil recovery using Liquid-N₂-assisted N₂ and/or CO₂ Huff-n-Puff injection technique. Fuel 2022: 324:124450. *(Published)*

--- Conference Papers and Proceedings --- *Published papers*

7. **Altawati F**, Ramezani M, Khalil R, Emadi H. Effect of Thermal Shock Treatments on Permeability and Dynamic Elastic Properties of Wolfcamp Formation - An Experimental Study. 54th U.S. Rock Mechanics/Geomechanics Symposium. American Rock Mechanics Association 2020:1303. *(Published)*
8. **Altawati F**, Ramezani M, Saoyleh H, Soliman M, Emadi H. The Effect of Proppant Ramping in Hydraulic Fracturing for High-Permeable Oil and Low-Permeable Gas Zones. 54th U.S. Rock Mechanics/Geomechanics Symposium. American Rock Mechanics Association 2020:1055. *(Published)*
9. **Altawati F**, Sheng J, Emadi H. Investigating Effects of Water on Shale Oil Formation by Using Cyclic Gas Injection Technique- An Experimental Study. 54th U.S. Rock Mechanics/Geomechanics Symposium. American Rock Mechanics Association 2020:1054. *(Published)*
10. Khalil R, Ramezani M, **Altawati F**, Emadi H. Evaluating Pressure and Temperature Effects on Permeability and Elastic Properties of Wolfcamp Formation – An Experimental Study. 54th U.S. Rock Mechanics/Geomechanics Symposium. American Rock Mechanics Association 2020:1145. *(Published)*
11. **Altawati, F.**, Emadi, H., Khalil, R. . Investigating Effects of Cryogenic Treatment on Rock and Dynamic Elastic Properties of Eagle Ford Shale Rock Samples. 55th U.S. Rock

Mechanics/Geomechanics Symposium. American Rock Mechanics Association
2021:0011. (*Published*)

12. Hussain, Athar, Al-Hadrami, Hamoud, Emadi, Hossein, **Altawati, Faisal**, Thiyagarajan, Sujan Raj, and Marshall Watson. "Experimental Investigation of Wellbore Integrity of Depleted Oil and Gas Reservoirs for Underground Hydrogen Storage." Paper presented at the Offshore Technology Conference, Houston, Texas, USA, May 2022. doi: <https://doi.org/10.4043/32003-MS> (*Published*)