Special Issue

Advances in Oil and Gas Reservoir Modeling and Simulation

Message from the Guest Editors

This Special Issue welcomes research articles in the following areas: **1. CO2 Sequestration**: Techniques, mechanisms (e.g., structural trapping), or case studies (e.g., Sleipner in the North Sea, Illinois Basin in the U.S.). **2. Plume Propagation**: Modeling, monitoring, and examples of successful subsurface tracking. **3. CO2 EOR**: Case studies, operational challenges, or integration with sequestration. **4. Integration Challenges**: Regulatory, economic, or technical barriers. **5. Environmental Impact**: Leakage risks, long-term monitoring, or effects on local ecosystems.

Guest Editors

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