

## Special Issue

# Recent Advances in Carbon Capture, Utilisation and Storage Technology and the Green Development of Geological Energy

### Message from the Guest Editors

Topics include, but are not limited to:

- CO<sub>2</sub> capture;
- CO<sub>2</sub> utilization;
- CO<sub>2</sub> geological storage;
- Gas injection for EOR;
- Underground storage of natural gas;
- Underground storage of hydrogen;
- Integration of natural gas flooding and underground storage;
- In situ heating and upgrading of shale oil;
- Underground gasification of deep coal for hydrogen production;
- Geothermal energy;
- Gas leakage risk;
- Demonstration project;
- Fine description of unconventional reservoirs;
- Efficient development of unconventional resources;
- Plugging material for CO<sub>2</sub> gas channeling;
- Green oil field chemicals;
- Enrichment conditions and reservoir accumulation mechanism of unconventional oil and gas.

### Guest Editors

Dr. Liang Zhang

Dr. Yukun Du

Dr. Hongbin Yang

### Deadline for manuscript submissions

closed (31 July 2025)



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