



Towards Green Development: Heat Transfer and Advanced Technologies in Unconventional Oil and Gas Exploitation

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Message from the Guest Editors

This Special Issue, “Towards Green Development: Heat Transfer and Advanced Technologies in Unconventional Oil and Gas Exploitation”, introduces efficient, green, and sustainable extraction technologies for unconventional oil and gas, and focuses on the latest advances in heat transfer mechanisms. Topics include, but are not limited to:

- Reservoir fracturing technology;
- Intelligent CBM exploitation;
- Coal and gas outburst prevention;
- Unconventional oil and gas extraction technology and equipment;
- Initial and modified geological modeling of unconventional reservoirs;
- The numerical simulation of production dynamics in unconventional reservoirs;
- The dynamic simulation of thermodynamic fields throughout the mining process;
- The heat transfer mechanisms involved in fracturing techniques;
- New technology and methods for carbon capture, storage, and utilization.

We thank you for your time and hope that you will consider contributing to this Special Issue.





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Message from the Editor-in-Chief

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