



Geological Engineering Problems and Technologies in Sustainable Energy Development

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Message from the Guest Editors

Dear Colleagues,

Using underground spaces for energy storage and development and making full use of coal to develop and comprehensively utilize remaining resources may be a potential approach to achieving the sustainable utilization and storage of energy, which strongly supports the national dual-carbon goal and energy security strategy.

The scientific connotations of using underground spaces to produce and store renewable energy gas includes three aspects. The anaerobic underground space structure left after coal development can be fully utilized as the energy storage site for renewable energy gas, and the underground space of the mine can be fully recycled. Organic waste is used for secondary clean use; in the process of sustainable energy development, the efficient use of energy can also be achieved. Therefore, energy storage has become a key goal in achieving the development of renewable energy. This will surely promote the development of green energy.

The purpose of this Special Issue is therefore to collect recent state-of-the-art research and review articles on geological engineering problems and technologies in sustainable energy development.





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Message from the Editor-in-Chief

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