Special Issue

Geothermal System: Recent Advances and Future Perspectives

Message from the Guest Editors

In recent decades, although the development of geothermal resources has achieved great development, its commercial development also faces numerous challenges in terms of technology, funding, policy, public acceptance, and other aspects. Consequently, this Special Issue aims to offer a platform for researchers to discuss and exchange their recent advances and future perspectives related to the geothermal system. Original research and review articles on conceptual design, numerical simulation, laboratory testing, and case studies are encouraged. We welcome contributions from all practitioners in this scientific field.

- geothermal system
- geothermal reservoir construction techniques
- drilling and completion techniques
- microseismic monitoring techniques
- optimal design and evaluation
- heat and mass transfer
- application of artificial intelligence
- rock mechanics
- lifecycle analysis
- financial, environmental and safety risk assessment in geothermal development
- numerical simulation of coupled multiphysical fields of geothermal energy extraction processes

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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