

Special Issue

Sustainable Use and Techniques of Geothermal Energy

Message from the Guest Editors

Considering the role of renewable resources in present society, geothermal energy is considered an essential tool in the fight against climate change. However, geothermal systems are not as widespread as other renewable energies. In this context, it is necessary to identify and develop new techniques and possibilities allowing for the sustainable use of geothermal resources in common applications, such as heating/cooling and electricity production. This present Special Issue aims to collect original research or review articles on different solutions and techniques mainly focused on the development of new alternatives of using geothermal resources. Innovative and sustainable variations of traditional geothermal systems are more than welcome publication in this Special Issue. The research can cover a wide range of possibilities and options, such as the performance of shallow geothermal systems (heat pump operation, schema of the well field, ground thermal characterization, or heat exchangers and working fluid configurations) or an analysis of electricity generation in deeper geothermal resources (new operation cycles, extraction rhythms, HDR solutions, etc.).

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2022)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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