Special Issue

Advances in Hot Dry Rock Geothermal Energy Mining and Utilization

Message from the Guest Editors

Among all the renewable energy resources, geothermal energy is the only one that can be used as an electrical, thermal, or cooling baseload due to its stable and intermittent-free nature. Geothermal utilization is developing rather linearly, but is so far provided mainly in special geological settings. The deeply buried hot dry rock (HDR) is ubiquitous and contains a huge amount of heat and should be the main source of geothermal energy. A universally deployable HDR heat mining and efficient utilization technology could accelerate geothermal growth. This Special Issue aims to gather contributions advancing the HDR heat mining and utilization technologies and to share the related up-to-date research results. Topics include but are not limited to: HDR well drilling, completion, and logging; Enhanced geothermal system (EGS) research and technologies; Reservoir engineering; Reservoir creation or stimulation; Geothermal measurement, monitoring, and simulation; Case study of practical EGS projects; Environmental and economic analysis/evaluation of HDR heat exploitation; Single-well HDR heat mining research and technologies; Geothermal heat utilization research and technologies.

Guest Editors

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Deadline for manuscript submissions

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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. *Sustainability* publishes original research articles, review 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

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