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New Perspectives on Geothermal Energy Exploration and Evaluation of Geothermal Potential

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Message from the Guest Editors

During the past decade, strong efforts have been made to characterize geothermal energy resources worldwide. Due to the increasing need for energy in emerging countries, it becomes necessary to characterize geothermal reservoirs as either low/intermediate-temperature resources or high-temperature resources. Further high-temperature geothermal resources are exploited through deep wells drilled to reach reservoirs, which can be located in highly heterogeneous volcanic complexes, sedimentary basins, or old basement rocks. Reservoir permeability can be enhanced through different engineering techniques although such techniques may raise hard problems of social acceptability. Development of a robust interdisciplinary methodology to characterize such geothermal systems from a volcanological, geophysical, geochemical, and geo(hydro)thermal point of view is fundamental. We welcome contributions pertaining to all these disciplines in order to quickly locate areas within volcanic complexes, sedimentary basins, or old basement rock that are most likely to contain exploitable hydrothermal systems and reduce environmental pollution in emerging countries and in densely populated areas worldwide.



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Special Issue



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Message from the Editor-in-Chief

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