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# New Trends in Enhanced, Hybrid and Integrated Geothermal Systems

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Message from the Guest Editors

Today's world faces a number of ongoing and emerging challenges. Geothermal energy is a sustainable and ecofriendly energy source. Its exploitation consists of extracting and storing thermal energy in the earth for the production and supply of electricity and heating/cooling needs for a variety of applications, including to heat and cool buildings and greenhouses, provide warm/cold water for agricultural products in greenhouses, and even to deice roadways and parking areas. This Special Issue aims to fill knowledge gaps and help develop geothermal energy around the world. Thus, interesting and valuable papers associated with different aspects of geothermal energy will be selected and published in this Special Issue. Prof. Jatin Nathwani Dr. Alireza Dehghanisanij Guest Editors

#### Keywords

enhanced geothermal systems (EGSs) hybrid and integrated geothermal systems deep and shallow geothermal energy geothermal heating/cooling systems life cycle analysis (LCA) environmental risk assessment (ERA) applications of geothermal energy



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**Prof. Dr. Giulio Nicola Cerullo** Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy 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.

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