Special Issue

Advancements in Thermal and Energy Geotechnics

Message from the Guest Editor

This special issue of *Energies* covers the latest advancements in thermal and energy geotechnics including, among others, carbon sequestration, hydraulic fracturing for energy and gas extractions, deep geological repositories for nuclear waste, site investigations and foundation design for wind turbines, frozen soils, and energy foundations and geo-structures. The topics of interest extend from fundamental and theoretical knowledge to practical and filed-scale tests. Articles in a wide variety of topics will be considered for publications including, but not limited to: thermomechanical behaviour of earth materials (soils and rocks) across the length- and time-scales, thermo-hydro-chemo-mechanical response of soils and rocks, innovative site characterizations and design methods for the foundations of offshore wind turbines, behaviour of energy foundations, advances in predicting the behaviour of frozen soils, and mechanisms underlying hydraulic fracturing of deep geological deposits. Comprehensive review articles are also welcomed. Innovative numerical models, laboratory tests, or field experiments are of interest.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2022)

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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