

Special Issue

Development and Utilization in Geothermal Energy

Message from the Guest Editors

With the rise of the low-carbon energy demand geothermal energy exploitation is gaining more visibility as a sustainable, renewable and clean energy resource. Along with project development from classic hydrothermal systems, increased interest is seen in developing projects which use existing oil & gas well assets as well as the development of enhanced geothermal systems. Deep geothermal energy resources provide power as well as direct thermal applications. Likewise, increase of ground and groundwater source heat pumps is seen when it comes to exploiting shallow geothermal resources, adding to the increase of the share in the thermal applications, especially in domestic heating and cooling. Both deep and shallow geothermal systems can provide safe, reliable and constant energy product. However, the share of this resource is increasing rather slowly in the energy mix. Therefore, it is beneficial to highlight current research in the field of technology development , geothermal exploitation as well as utilization of both deep and shallow geothermal resources, which this Special Issue aims to publish.

Guest Editors

Dr. Marija Macenić

Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, 10000 Zagreb, Croatia

Prof. Dr. Tomislav Kurevija

Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, 10000 Zagreb, Croatia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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