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Featured Papers in Geo-Energy

Collection Editors:

Prof. Dr. Pavel A. Strizhak

Department of Power
Engineering National Research,
Tomsk Polytechnic University,
634050 Tomsk, Russia

Prof. Dr. Michael Kühn

GFZ German Research Centre for
Geosciences, Fluid Systems
Modelling, Telegrafenberg, 14473
Potsdam, Germany

Dr. Nikolaos Koukoulzas

Chemical Process & Energy
Resources Institute, Centre for
Research & Technology Hellas
(CERTH), 15125 Athens, Greece

Message from the Collection Editors

The demands to utilize the geological subsurface are increasing. In addition to traditional production of raw materials or groundwater extraction for drinking water supply, the subsurface will most likely also be used to implement policy objectives in the context of transition energy policies to renewables and georesources. These include, e.g., the use of geothermal energy, storage of energy from renewable sources, and possibly long-term storage of CO₂ to reduce the release of greenhouse gases into the atmosphere. This Special Issue aims to answer the question of which contribution can be expected from the geological subsurface. The collection is focused on bringing together innovative developments, technologies, and solutions in the field of geoenergy for reservoir characterization, geomechanics, sequestration of carbon dioxide, geothermal, petroleum, coal, and natural gas.

Potential topics of interest include, but are not limited to:

- Reservoir characterization and modeling
- Geomechanics for energy and the environment
- Sequestration of carbon dioxide
- Geothermal energy extraction
- Petroleum exploration and production
- Energy from coal formations
- Hydrogen storage



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Topical Collection



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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