

Special Issue

Advancing Sustainable Development with Joint Effort of Bioenergy and Geo-Energy

Message from the Guest Editors

Joint bio-geo energy initiatives align with sustainable development goals (SDGs). They promote clean energy (SDG 7), support climate action (SDG 13), and foster sustainable communities (SDG 11). For instance, utilizing local biomass resources alongside geothermal energy can empower rural communities, creating jobs and improving energy access while mitigating environmental impacts.

This Issue aims to explore innovative strategies, technologies, and policies that integrate these renewable energy sources to address global energy challenges while ensuring environmental and social sustainability. Topics of interest include, but are not limited to, the following:

- Responsible and sustainable energy generation.
- Sustainable hydrocarbon exploration and production.
- Carbon capture, utilization and storage (CCUS).
- Geo- and/or bio-hydrogen production, transport, and storage.
- Geothermal energy.
- Novel technologies of bioenergy, geo-energy and their integration.
- Life cycle assessment of bio-geo energy solutions.
- Role of bio-geo energy in achieving net-zero emissions.
- Policies and strategies promoting bio-geo energy synergy.

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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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