

Special Issue

Promoting Energy Transition: Harnessing Solar Energy and Geothermal Resources

Message from the Guest Editors

This Special Issue explores the latest and most innovative strategies for accelerating the global energy transition, with a particular focus on harnessing the full potential of solar and geothermal energy. This Special Issue highlights key technological advancements, including photovoltaics, enhanced geothermal systems, and hybrid solutions that combine renewable energy sources. It also addresses the importance of grid integration and offers comprehensive policy–economic analyses. This Special Issue aims to address critical challenges, including intermittency, geographical constraints, and scalability, while fostering interdisciplinary research to ensure practical solutions. By bridging the gap between theoretical concepts and real-world applications, this Special Issue provides actionable insights that can guide policymakers and industry stakeholders. Furthermore, this Special Issue emphasizes the synergies between solar and geothermal technologies, offering a holistic and forward-thinking perspective on the sustainable deployment of energy systems, ultimately contributing to the achievement of a carbon-neutral future.

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