

## 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.

### Guest Editors

Dr. Yaran Wang

Environmental Science and Engineering, Tianjin University, Tianjin  
300384, China

Dr. Yan Jiang

Environmental Science and Engineering, Tianjin University, Tianjin  
300384, China

### Deadline for manuscript submissions

5 June 2026



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CiteScore 7.7



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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