

## Special Issue

# Carbon Neutrality and Renewable Energy Technologies: Opportunities and Challenges

### Message from the Guest Editors

We are pleased to announce a call for the papers on advancement of research and applications in the areas of carbon neutrality as it relates to carbon capture, utilization, and storage (CCUS), and renewable energy as it relates to solar energy, wind energy, hydro power, geothermal energy, and power generation, biomass, bioenergy, and associated energy storage systems such as battery energy storage, hydrogen underground storage, compressed air energy storage, gravity energy storage, thermal energy storage, pumped hydro, etc. The aim of this Special Issue is to attract original research and review articles that address complex thermal, hydraulic, mechanical, chemical, and electrical phenomena via laboratory experiments, numerical simulation, field monitoring, and artificial intelligence.

### Guest Editors

Prof. Dr. Shunde Yin

Dr. Ozge Yuksel Orhan

Prof. Dr. Paitoon Tontiwachwuthikul

### Deadline for manuscript submissions

31 August 2026



## Clean Technologies

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## About the Journal

### Message from the Editor-in-Chief

*Clean Technologies* (ISSN 2571-8797) is an international, open access journal of novel scientific research on technology development aimed at reducing the environmental impact of human activities. *Clean Technologies* publishes reviews, regular research papers, communications and short notes which show a significant advance in the development of sustainable technology that reduces energy consumption, environmental pollution and/or the use of water and nonrenewable resources. Our aim is to encourage scientists to publish their experimental and theoretical research in detail as open access, serving a trustable base of advance for the scientific community.

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### Editor-in-Chief

Prof. Dr. Patricia Luis Alconero  
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#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1  
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 10.6 days (median values for papers published in this journal in the second half of 2025).