

## Special Issue

# Synergizing Sustainability: Smart Strategies for Enhancing Energy, Economic, Environmental, and Social Performance in Residential and Industrial Renewable Energy Communities

### Message from the Guest Editors

Considering the world's most pressing environmental issues and the urgency for effective solutions, Renewable Energy Communities (RECs) have been proposed as the new building block of tomorrow's sustainable energy infrastructure. A REC typically refers to a group of individuals, enterprises, and/or private and public organizations that collaborate to develop, manage, and benefit from renewable energy sources within a specific community or geographical area. The primary objective of a REC is to promote the utilization of renewable energy sources, reduce our dependence on fossil fuels, relieve the distribution system from congestion due to distributed generation, and contribute to enhanced sustainability. Within this context, this Special Issue welcomes original, high-quality research papers, reviews and case studies that contribute to research on innovative applications in residential and industrial RECs with the aim of enhancing the 3E and social aspect.

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### Guest Editors

Prof. Dr. Alessandro Massi Pavan

Dr. Nicola Blasuttigh

Dr. Simone Negri

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### Deadline for manuscript submissions

closed (30 May 2025)



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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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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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