



Technologies for Climate-Neutral Energy Systems

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Message from the Guest Editors

In reducing GHG emissions, development of renewable energy and energy efficiency are the two main points for development.

On the one hand, increasing the use of renewable energy sources substitutes the use of fossil fuels in power, transportation, heating, and cooling systems while reducing GHG emissions. On the other hand, the promotion of energy efficiency is a cost-effective way to reduce the energy (and fossil fuels) used, increasing the resilience of the energy systems based on renewables.

This Special Issue, “Technologies for Climate-Neutral Energy Systems”, aims to collect and highlight novel technologies and applications on renewable energies and energy efficiency. Topics include, but are not limited to, the following:

- Solar energy technologies: thermal, PV, and PVT.
- Energy uses of gas, liquid, and solid biomasses.
- Integration of renewable energy in industrial processes (mainly solar heating and cooling).
- Cross-sectoral energy-efficient technologies.
- Waste heat recovery technologies and applications.
- Hard-to-abate industries.
- Industry 4.0 concepts for the transition.





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Message from the Editor-in-Chief

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