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## Sustainable and Low-Carbon Technologies for Future Energy Systems

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### Message from the Guest Editor

With increasing promotion of **carbon neutrality** and **sustainability** across the globe, numerous studies have been conducted to exploit sustainable and low-carbon technologies to optimize the the structure of energy systems. In the past decades, renewable energy systems, such as solar, wind, and hydro power, have been developing rapidly and fundamentally changed the global energy market. In addition, some emerging technologies with promising potentials are under development, including cellulosic ethanol, hot dry rock geothermal power, and marine energy.

This Special Issue will collect original research and review articles on recent findings in the areas of **sustainable and low-carbon technologies** that play a crucial role in **future energy systems**. Studies can be conducted at the level of a particular technology or component of the energy system through numerical simulation, experimental measurements, and energy systems analysis. Authors are asked to declare the research objectives, state all the assumptions used to derive new models, and clearly define research hypothesis.



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## 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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