Special Issue

New and Future Progress for Low-Carbon Energy Policy

Message from the Guest Editor

There is a clear target for carbon neutrality by 2050 in all sectors. In order to support this vision and achieve the 80 to 95% overall GHG reduction objective, there is an urgent need to design, implement and monitor climate change mitigation policies. This commitment to carbon neutrality, with an intermediary target of a 55% reduction from the 1990 baseline year by 2030, puts pressure on the industry, agriculture, transportation, and buildings sectors. The current geopolitical situation and impact on energy costs and delivery have further exacerbated the need to reduce the dependence on fossil fuels. New technologies that are efficient, cost effective, resilient and sustainable will play a key role in the low carbon vision. A strategic energy technology plan is crucial in all sectors, countries and regions promoting the transition to a low-carbon economy, also taking into consideration the social acceptability of the measures and the technologies suggested. Low-carbon energy policies should also be supported by certifications, methodologies and standardization and ensure collaboration with the circular economy perspectives.

Guest Editor

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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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