Special Issue

Low-Carbon Transition Policies and Challenges for Renewable Energy Development

Message from the Guest Editor

Renewable energy development plays a key role in the energy transition. Many studies already exist in relation to the policies and the roadmaps towards renewable energy by 2050. However, significant progress has been seen in relation to renewable technologies, especially solar PV and wind power, together with power storage and micro-grid technologies. With other driving forces including rapid temperature increases, the world needs to respond to climate change and make a much stronger and rapid transition by 2030, working towards new demands in order to understand every aspect of the drastic rise in renewable energy. In the meantime, technologies including electric vehicles, green hydrogen, and industrial products from green hydrogen have also seen a very fast progression. All of these technologies could give rise to a very different picture for renewable energy utilization. This Special Issue aims to present the most recent studies on renewable technology progress, their utilization and applications, micro-grids or independent grids, green hydrogen-integrated systems, and related policy assessments.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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