



Advances in Energy Transition to Achieve Carbon Neutrality

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Message from the Guest Editor

The carbon neutrality goal, defined as a state of net-zero carbon dioxide emissions by 2050, is an ambitious global objective. Energy transition towards carbon neutrality aims to address the issues of carbon emission mitigation pathways in different sectors related to energy economics, policies, and green technological innovations using different approaches and models of sustainable energy supply and demand in terms of markets, resources, and environmental impacts. Energy transition towards carbon neutrality in the actual global context is constrained for various reasons, such as that energy consumption still heavily relies on fossil fuels with complex interests of different players and lobbying groups in the energy markets at different levels. Demand for energy has risen as a result of population growth, increasing industrialization, agricultural modernization, urbanization, and globalization, with an increasing role in transportation. Carbon neutrality with a balance between promoting economic growth and not harming the climate and environment is a requirement for the sustainable development of corporate and public climate mitigation policies.





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Message from the Editor-in-Chief

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