



The Interplay of Energy Consumption and the Digital Economy in the Pursuit of a Low-Carbon Transition

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Message from the Guest Editors

As one of the indispensable elements of sustainable economic development, a reduction in energy consumption is essential in order to promote the balanced development of economic efficiency and environmental efficiency. As the impact of traditional energy consumption on climate change has become increasingly prominent, the low-carbon transformation is crucial for sustainable economic development and energy structure transformation. In this context, the role of the digital economy is becoming increasingly significant, especially regarding the energy structure transformation of, and reduction in, energy consumption, which is essential in order to promote low-carbon transitions and achieve the goal of carbon neutrality.

In this Special Issue, we aim to delve into the interplay between energy consumption and digital economy, as well as their critical role in facilitating the low-carbon transition in different countries. We are particularly interested in exploring how the digital economy can reduce excessive energy consumption and how it can support the achievement of low-carbon development and sustainable strategies.





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