

Special Issue

Renewable Energy Supply and Consumption under Carbon Neutrality

Message from the Guest Editors

Carbon neutrality refers to achieving net zero carbon dioxide emissions by balancing carbon dioxide emissions with carbon sequestration or by eliminating emissions. In response to global climate urgency and the Glasgow Climate Pact with a target of 1.5 °C temperature increase by the end of this century, about 65% of the world's emissions are now subject to some form of carbon-neutrality or net-zero-emissions goal, for which renewable energy and clean technology will play a critical role. More than forty countries, including China, the United States, the United Kingdom, and the EU, have pledged to work together for the delivery of clean technology through encouraging global investment in renewable energy and low-carbon technologies. Given the critical significance of understanding renewable energy supply and consumption for the accelerated achievement of carbon neutrality, this Special Issue focuses on renewable energy from the perspective of both supply and consumption sides, particularly in the context of carbon neutrality.

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