



Carbon Emission Reduction and Energy Conservation Methods

Guest Editor:

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Message from the Guest Editor

Carbon emissions account for 65% of total greenhouse gas emissions (GHG) and have risen dramatically in recent decades. Huge amounts of GHG emissions contribute to global warming, which not only threatens natural ecosystem balance but also has an impact on human health. Given the dangers of global warming, reducing carbon emissions has become a major concern.

Carbon emissions are generated as an outcome of human activities. Massive amounts of fossil energy are consumed. Petrochemical resources, on the other hand, are an important material foundation for economic and social development. High industrial energy consumption, on the other hand, will emit large amounts of CO₂ and other greenhouse gases, contributing to global warming. Energy-saving measures are becoming increasingly important. However, there is still a need to explore the path for reducing carbon emissions for many countries.

This special issue aims to create a platform for scholars across the world to exchange ideas from different perspectives, explore the current status, share experiences from countries, and form new insights on the methods for carbon emission reduction and energy conservation.





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