



Renewable Energy Systems and Energy Efficiency for a Decarbonized Sustainability

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Message from the Guest Editors

Dear Colleagues,

Over the past several decades, increasing concern about climate change, scarcity of resources, and energy supply have led to a paradigm shift in society and industry toward improved energy efficiency.

Energy efficiency and conservation are important tools; however, the energy efficiency improvement potential alone is not sufficient to reduce the increasing demand for fossil fuels and their associated environmental impact. To reduce fossil fuel demand and carbon emissions, all sectors must invest in renewable energy. Renewable energy technologies can provide practical and cost-effective alternatives for clean electricity and decarbonized heat sources including industrial process heat with fewer greenhouse gases (GHG) emissions.

This Special Issue of the journal Sustainability devoted to the broad field of “Renewable Energy Systems and Energy Efficiency for a Decarbonized Sustainability” aims to explore recent research into the concepts, methods, tools, and applications for improving renewable energy and energy efficiency technologies and their applications in order to advance and promote sustainable development in all sectors.





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Message from the Editor-in-Chief

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