

Special Issue

Renewable Energy and Greenhouse Gas Emissions Reduction

Message from the Guest Editors

Dear Colleagues: For nearly three decades, the United Nations (UN) has been bringing together almost every country on the earth for global climate summits. Their efforts accelerate the need for large-scale renewable energy resources (RER) integration into existing electricity grids. The intermittent nature of the dominant RER, i.e., solar photovoltaic (PV) systems, poses operational and technical challenges in their effective integration by hampering power system reliability and stability. This Special Issue provides a unique platform to present state-of-the-art research findings and observations associated with RER technologies, bulk integration of RER into the grids, GHG emissions accounting, reporting, and climate change mitigation at different levels. In addition, it aims to facilitate and promote interdisciplinary researchers to provide multi-faced GHG emission management solutions with the incorporation of RER.

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Deadline for manuscript submissions

closed (15 August 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/111719

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