

Special Issue

Sustainable Research on Renewable Energy and Energy Saving

Message from the Guest Editors

This Special Issue's primary objective is the deployment of renewable energy, economic development, energy security improvement, increased access to energy, and the mitigation of climate change. It also addresses the application of the solar PV systems in the generation of electricity for off-grid, on-grid, and EV applications. The design and integration of different components such as PV arrays, high gain dc/dc converters, grid-connected inverters, metaheuristic-based optimization techniques for obtaining maximum power and parameter extraction of the solar PV system, etc., shall be the focus of this Special Issue. Various governments are coming up with different legislation, regulations, and standards of energy, as well as policies for public and private energy saving. Therefore, this Special Issue will explore the latest developments in energy-saving design technologies and methodologies to provide energy security and mitigate climate change. It aims to advance sustainable research studies and developments on renewable energies and energy saving for achieving a more sustainable world.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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