

## Special Issue

# Cost-Effective and Intelligent Controller Based Design for Wind and Photovoltaic Power Generation Systems

### Message from the Guest Editor

This Special Issue will publish research work ranging from simulations to hardware prototypes related to cost-effective and intelligent controller based solar and wind power generation systems. The specific research keywords for the Special Issue include, but not limited to the following: (1) Cost-Effective smart PV inverter design. (2) Intelligent controller development for smart PV inverter. (3) New DC-DC boost converter and control design for solar PV systems. (4) Cost-effective solar PV plus energy storage systems. (5) New maximum power point tracking (MPPT) system for PV systems. (6) New and cost-effective wind turbine technologies. (7) New control methods and approaches for both doubly-fed induction generator (DFIG) and permanent magnet synchronous generator (PMSG) based wind generator systems. (8) Advanced pitch control systems for wind generators. (9) Intelligent controller-based grid side converter (GSC) and rotor side converter (RSC) for DFIG based wind generators. (10) New MPPT system for wind generator systems.

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### Guest Editor

Prof. Dr. Mohd. Hasan Ali

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### Deadline for manuscript submissions

closed (28 February 2023)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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