Special Issue

Performance and Efficiency Enhancement of Solar Photovoltaics

Message from the Guest Editors

Solar photovoltaic plays a significant role in sustainable development, decarbonization of the energy sector, and for clean energy transition. This Special Issue aims at the dissemination of research results on state-of-the-art science and technology related to the improvement of the efficiency and enhancement of the power output of solar photovoltaics. The potential topics of Special Issue include but are not limited to:

- Bifacial solar PV technology
- Hybrid solar PV/thermal energy systems
- Concentrated solar PV
- New material for solar PV
- Thermal management of solar PV
- Solar PV enhancement using nanofluids
- MPPT control for solar PV systems
- Solar PV tracking system
- Soling and cleaning of solar modules
- Hybrid solar PV systems
- Modeling and simulation for the enhancement of power output of solar PV
- Design, performance analysis, and optimization of solar PV systems
- Solar PV optimization methods

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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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