





an Open Access Journal by MDPI

Recent Advances in Maintenance and Reliability of Solar Cell Technology

Guest Editor:

Dr. Changwoon Han

Mechanical Engineering Department, The State University of New York, Korea, 22382 Incheon, Republic of Korea

Deadline for manuscript submissions:

closed (10 August 2023)

Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to present new research findings and state-of-the-art reviews of valuable contributions in the aspect of solar modules reliability. solar systems maintenance, solar cell modeling, solar modules, and systems modeling, photovoltaic systems reliability analysis, solar cell prognostics and diagnostics, grid-integrated solar photovoltaic analysis, built-in photovoltaic design and system analysis, shading/degradation/soiling analysis in solar module, the optimization of photovoltaic systems, power converters for photovoltaic applications, and control techniques for photovoltaics.

The Special Issue will address current issues in the maintenance and reliability of photovoltaic systems. This issue can help deepen our understanding of the maintenance and reliability of solar systems.

We look forward to receiving your contributions.











an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us