

Special Issue

Increasing the Lifetime of Photovoltaics Systems: Advanced Materials, Monitoring, O&M and Energy Modeling

Message from the Guest Editors

Increasing the lifetime and reducing performance degradation of PV systems is vital for making PV the most cost-competitive energy resource and to transform our energy systems. To achieve this goal, we must improve the durability and reliability of PV modules and BOS equipment and respond quickly and intelligently to operational issues. New materials and manufacturing methods can increase the lifetime of PV modules in the field, but may need to be optimized for different climates. Advanced monitoring techniques and fault detection protocols significantly improve the availability of grid-connected photovoltaic (PV) systems, hence lowering investment cost, leveled cost of energy (LCOE), benefiting PV competitiveness.

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Deadline for manuscript submissions

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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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