

Special Issue

Exploring Energy Innovations: The Rise of Next-Generation Photovoltaic Modules

Message from the Guest Editors

This Special Issue, "Exploring Energy Innovations: The Rise of Next-Generation Photovoltaic Modules," will provide a forum for the latest scientific and technological developments in advanced PV modules. We invite original research articles, reviews, and case studies that address (i) novel cell and module architectures (ii) materials innovation, including encapsulants, backsheets, and coatings; (iii) advancements in module integration, interconnection, and packaging techniques; (iv) performance analysis under diverse operating conditions, including temperature, light spectrum, and angular incidence; (v) the modeling and simulation of next-generation modules; and (vi) sustainability metrics, including lifecycle assessment and recyclability. This Special Issue will showcase breakthrough innovations, facilitate interdisciplinary dialogue, and contribute to the global acceleration of solar energy adoption through next-generation module technology.

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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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