Special Issue

Sustainable Applications and Innovations in Energy Transfer Processes and Photovoltaic Performance

Message from the Guest Editors

As global energy demands continue to rise and the push towards sustainable solutions intensifies, the integration of advanced computational technologies in energy systems is becoming increasingly crucial. This integration not only improves energy efficiency but also ensures safety and reliability in energy production and management. Photovoltaic systems are at the forefront of this transformation, benefiting significantly from advancements in AI, machine learning, and image processing to optimize performance and predict energy yields. This Special Issue, titled “Sustainable Applications and Innovation in Energy Transfer Processes and Photovoltaic Performance”, is designed to facilitate multidisciplinary research that integrates cutting-edge technologies such as artificial intelligence, machine learning, and computer vision into sustainable energy practices. With a broad scope covering energy transfer and photovoltaic systems, we invite contributions that harness advanced computational techniques and innovative methodologies to enhance both the efficiency and safety of these systems.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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