

Special Issue

Advanced Study on Next Generation Solar Cells

Message from the Guest Editors

Solar energy has emerged as a crucial source in the global transition towards sustainable energy. These new cells offer the potential for higher efficiency, lower cost, and better environmental compatibility. Understanding and advancing this field is essential for meeting the increasing global demand for clean energy. This Special Issue builds on the existing body of literature on solar cells. While earlier studies have laid the foundation, this Issue will explore cutting-edge advancements such as novel materials like perovskites, new device architectures, and emerging concepts in photovoltaics. It will contribute to filling the gaps in knowledge and providing a more comprehensive understanding of future directions in solar cell research. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Materials for next-generation solar cells; Device engineering and optimization; Energy storage integration with next-generation solar cells; Scalability and commercialization of next-generation solar cells; Environmental and sustainability aspects. We look forward to receiving your contributions.

Guest Editors

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Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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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