Special Issue

Advances in Dye-Sensitized Solar Cells for Sustainable IoT Solutions

Message from the Guest Editor

In an era where the Internet of Things (IoT) is permeating various sectors, the significance of sustainable energy sources to power IoT devices cannot be overstated. This Special Issue aims to spotlight pioneering advances in Dye-Sensitized Solar Cells (DSSCs) and explore their integrative potential in enhancing the sustainability and efficiency of IoT applications. The convergence of DSSCs with IoT signals many possibilities, including enhanced operational continuity, reduced carbon footprint, and optimized energy use in smart devices and systems. We invite submissions that probe into innovative materials, designs, and technologies that elevate the performance and robustness of DSSCs, with a keen focus on their applicability to IoT. Contributions may also explore the practical challenges and solutions for integrating DSSCs in various IoT scenarios, such as smart buildings, wearable technologies, and sensor networks. This issue seeks interdisciplinary discourse and innovation by forging a relationship between DSSCs advancements and IoT sustainability, steering towards a future where technology harmonizes seamlessly with sustainable energy paradigms.

Guest Editor

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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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