

Special Issue

The Development of Perovskite Solar Cells and the Application of Nanomaterial Synthesis

Message from the Guest Editors

The goal of this unique themed collection in Sustainability is to offer a forum for the most recent advances that address the difficulties in halide perovskite optoelectronics and nanomaterial applications. Promising uses in the electronics and energy industries have primarily been responsible for the current surge of interest in halide perovskites. In fact, there are many current and future uses for halide perovskites, offering fascinating prospects for basic and applied materials science research. Perovskites can work with other photovoltaic materials to make double-junction and triple-junction solar cells. However, there remains a challenge in making the large-area perovskite stable under solar cell working conditions. In this Special Issue of Sustainability, we need to put together a set of experimental and computational papers that talk about the latest developments in the field. We are especially interested in papers that describe new ways to make perovskite solar cells more stable that work with existing technologies. We will give more attention to projects that focus on solutions that are safe for the environment, such as using lead-free perovskites and green processing.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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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. *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.

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