

## 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

Dr. Mustafa K. A. Mohammed  
Dr. Sangeeta Singh  
Prof. Dr. Duha S. Ahmed

### Deadline for manuscript submissions

closed (31 July 2023)



Sustainability

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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. 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.

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## Editor-in-Chief

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