## **Special Issue**

# Recent Development and Advancement in Solar Cell Technologies for Sustainability

#### Message from the Guest Editors

The growing energy demand, steps toward carbon neutrality and the efforts to limit climate change have greatly motivated extensive research on sustainable solar cell technologies for power generation. Depending on the current global power demand, it is imperative to achieve efficient and cost-effective solar power generation systems in place of traditional fossil fuels. The present Special Issue, titled 'Recent Development and Advancement in Solar Cell Technologies for Sustainability' aims to collect and find innovative solutions in both theoretical and experimental studies. Original research articles, communications and reviews are welcome. Topics of interest include, but are not limited to, the following:

- Advanced synthesis and characterization of solar energy materials;
- Efficiency and stability aspects of solar cells;
- Solar cell fabrication technologies;
- Theoretical modelling of emerging solar cell technologies;
- New concepts in solar cells and cell materials;
- Concentrated optical elements for solar cells;
- Life cycle analysis for sustainable solutions;
- Integrated solar cell technologies.

#### **Guest Editors**

Dr. Shubhranshu Bhandari

Dr. Anurag Rov

Dr. Katie Shanks

Dr. Yusuf Chanchangi

Prof. Dr. Senthilarasu Sundaram

#### Deadline for manuscript submissions

closed (30 September 2023)



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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.

#### Editor-in-Chief

#### Prof. Dr. Marc A. Rosen

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