

## Special Issue

# Solar Photovoltaic (PV) Technologies for Sustainable Electricity Generation

### Message from the Guest Editors

In recent years, increased public awareness of climate change and the pollution caused by fossil fuels has already sparked a surge in interest in the field of renewable power production. In addition to being one of the most important parts of renewable energy, solar energy is also extensively employed in a variety of applications in the home and in industrial, rural, and transportation sectors. Solar energy is regarded to be both renewable and ecologically sustainable. There is an emphasis on dissemination of research findings on the most recent advances in science and technology in all fields of photovoltaics (PV) for sustainable power generation. Topics of interest for publication include but are not limited to:

- Advanced PV technologies for sustainable power generation
- AI interfaced PV technologies
- IOT in photovoltaics
- Climate changes on power generation using solar photovoltaics
- Nanomaterials for solar cells for efficient power generation
- Electric vehicles integrated photovoltaics
- Off-grid power generation using renewable energy technologies
- Thermal management of photovoltaics for efficient electricity generation

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### Guest Editors

Prof. Dr. RaviShankar Sathyamurthy

Prof. Dr. Abd Elnaby Kabeel

Prof. Dr. R. Velraj

Prof. Dr. M. Akila

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### Deadline for manuscript submissions

closed (30 November 2022)



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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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