



## Solar as Renewable Energy Resources in Developing Countries

Guest Editors:

**Prof. Dr. Shahrin bin Md. Ayob**

Faculty of Electrical Engineering,  
Universiti Teknologi Malaysia,  
UTM Skudai, Johor 81310,  
Malaysia

**Dr. M Saad Bin Arif**

Department of Electrical  
Engineering, Aligarh Muslim  
University, Aligarh 202002, UP,  
India

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Dear Colleagues,

The advancement of technology for solar energy as a renewable energy supply has soared tremendously. Rigorous research in this area has been seen lately, especially in developing countries. Hence, this Special Issue intends to capture all recent prominent research that focuses on the use of solar energy as a renewable energy source. The topic will cover any research that supports the advancement of solar energy, i.e., materials, circuit topologies, and control strategies applied for circuit and system levels and related energy management. The topic of interest includes, but is not limited to, the following:

Solar cell material technology;

Theoretical modeling of DC and AC PV systems;

Power electronics circuit for solar energy harvesting;

Simulation and experimental performance;

PV energy storage systems;

Solar thermal power plants;

PV thermoelectric technology;

Grid-connected solar power plants;

Solar pond;

Agri-voltaic;

Underwater solar and its applications;

Environmental impact of solar;

Solar microgrids;



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**Prof. Dr. Steve W. Lyon**

School of Environment and  
Natural Resources, Ohio State  
University, Columbus, OH 43210,  
USA

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*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
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