



## Advances in the Solar Photovoltaic Cells for Energy Conversion

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Deadline for manuscript submissions:  
**closed (31 July 2024)**

### Message from the Guest Editor

Dear Colleagues,

Solar energy conversion into electrical energy through solar cells is one of the many different types of energy conversion processes as a viable option for meeting our energy needs.

We would like to invite contributions on the topic of this special issue. The topics of interest for publication include, but are not limited to, the following:

- Improvement of solar cells made from amorphous, polycrystalline and monocrystalline silicon or gallium arsenide (GaAs).
- Bifacial solar cells.
- Heterojunction solar cells.
- Tandem solar cells.
- CIGS, copper indium tin sulfide (CZTS) solar cells.
- Perovskite and organic solar cells.
- Down-converters, downshifters and up converters to enhance the efficiency of solar cells: organic, inorganic, quantum dots solar cells.
- Measurement techniques: photo-physical measurements, external quantum efficiency (EQE) or intensity-voltage (IV) curves.
- UV aging and temperature fluctuations of solar cells.
- Concentrated photovoltaics.
- Manufacture costs of solar cells.





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## Message from the Editor-in-Chief

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