

## Special Issue

# Advances in the Solar Photovoltaic Cells for Energy Conversion

### Message from the Guest Editor

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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### Guest Editor

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### Deadline for manuscript submissions

closed (31 July 2024)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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