

Special Issue

Cutting-Edge Solar Panel and Cell Technologies

Message from the Guest Editor

Solar energy is a feasible renewable energy option used to meet power needs at a low cost. Thus, the search for methods to boost PV modules' efficiency and power production has intensified. Therefore, it is necessary to find efficient ways to harness the sun's energy and transform it into electricity using solar photovoltaics (PVs). Developing high-quality technology to make solar energy affordable for consumers and industries increases competitiveness in global markets. This Special Issue focuses on the cutting-edge solar and cell technologies that keep solar power in the energy spotlight. Topics of interest for publication include, but are not limited to:

- Bifacial solar panels;
- Building-integrated photovoltaics (BIPV);
- Concentration photovoltaic cells (CPVs);
- Heterojunction technology (HJT);
- Half-cell technology;
- Multi-junction solar cells;
- Perovskite solar cells;
- Crystalline silicon solar cells;
- Thin-film solar cells;
- Multijunction solar cells
- Organic solar cells;
- Dye-sensitized solar cells (DSSCs).

Guest Editor

Prof. Dr. Jabar H. Yousif
Faculty of Computing and Information Technology, Sohar University,
Sohar, Oman

Deadline for manuscript submissions

closed (10 November 2022)



Energies

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Impact Factor 3.2
CiteScore 8.3



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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