



Cutting-Edge Solar Panel and Cell Technologies

Guest Editor:

Dr. Jabar H. Yousif

Faculty of Computing and
Technology, Sohar University,
P.O. Box 44, Sohar, Oman

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Message from the Guest Editor

Dear Colleagues,

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).





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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