



Recent Advances in Solar Cells and Photovoltaic Systems

Guest Editors:

Prof. Dr. Fernando Janeiro

Dr. Lhoussain El Bahir

Dr. Amal Bouich

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Message from the Guest Editors

Dear Colleagues,

The growing global energy demand has led to increased greenhouse gas emissions and inevitable global warming. To address these challenges, the world has started to implement decarbonization and sustainability goals that require an increase in the use of renewable energy sources. This Special Issue aims to present and disseminate the most recent advances in the development of solar cells and of photovoltaic systems.

Topics of interest include but are not limited to:

- Solar cell materials and technologies;
- Solar cell fabrication, characterization, and simulation;
- Photovoltaic system design;
- Monitoring of photovoltaic systems;
- Sun-tracking technologies;
- Solar panel fault detection;
- Solar panel degradation;
- Estimation of maximum power point;
- Storage systems;
- Hybrid thermal and photovoltaic systems.

Dr. Fernando Janeiro
Dr. Lhoussain El Bahir
Dr. Amal Bouich
Guest Editors





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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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