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Advanced Technologies of Solar Cells

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Deadline for manuscript submissions:

4100 Porto, Portugal

closed (17 January 2024)

Message from the Guest Editors

Dear Colleagues,

The Guest Editors are inviting submissions to a Special Issue of *Energies* on the subject area "Advanced Technologies of Solar Cells". Silicon solar panels are the most common solar technology, occupying more than 90% of the global photovoltaic market, however the efficiency is significantly under the theoretical limit of 30%. Alternative low-cost and high-efficiency materials are emerging with global efficiencies surpassing the 25% for perovskite solar cells and 30% for the perovskite/silicon tandem devices.

This Special Issue aims to provide an overview of the recent technology advancements in the fabrication of solar cells. Relevant experimental and theoretical papers related to the above-mentioned topic are welcome, including, but not limited to, perovskite solar cells, dye-sensitized solar cells, organic/inorganic cells, Si, CdTe, CIGS, and tandem devices. Papers submitted to this Special Issue will be subject to a meticulous peer-review process with the goal of fast and effective dissemination of research results, developments, and applications.

Dr. Vera C.M. Duarte Dr. Luísa Andrade Guest Editors











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Message from the Editor-in-Chief

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