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# Advanced Energy Materials and Structures for Solar Cell: Design and Application

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Deadline for manuscript submissions:
**closed (10 February 2024)**

## Message from the Guest Editors

Solar cells, for direct conversion of solar energy to electrical power, is one of the key components in the required transition to renewable energy sources for minimizing climate changes. Emerging solar cell structures are being proposed by different research groups world-wide to develop thinner (ultrathin) and flexible solar cells but still with a high conversion efficiency and performance stability with novel and environment friendly materials. Perovskite is a popular example, but new materials are constantly being investigated and attract attention for photovoltaic applications such as transition metal oxides and kesterite sulfides. Nanotechnology and nanostructures have demonstrated promising pathways for pushing conversion efficiencies even further, and record-breaking efficiencies have been demonstrated using tandem solar cell technology. The continued research on photovoltaics is of critical importance. In this special issue we call for papers focusing on the cutting edge, and advancement, in the field of solar cell research and photovoltaics.

It is our pleasure to invite you to submit papers for this special issue. We accept full papers, communications, and reviews.

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## Message from the Editor-in-Chief

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