



## Emerging Functional Devices and Advanced Photovoltaic Cells

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### Message from the Guest Editor

Dear Colleagues,

Researchers have tried to alternate the conventional and additive fossil fuels to the renewable energy methods. Due to the limit of fossil energy-resources, human beings have been expected to encounter the energy shortage in future. Sustainable energy is ultimately desirable and clean method is highly required. We may resolve the issue by developing high-efficient photovoltaic (PV) cells and functional photoelectric devices. High-performing efficiency of solar cells can accelerate their competition in market. Moreover neo-concept of photovoltaics cells will induce the appearance of new needs, such as transparent PV cells. Various approaches are undertaking for the high-performing solar cells and functional electric devices.

Dealing of electrical and optical aspects, different types of issues are considerable, including, junction processes, heterojunction structures, tandem designs, light management designs, and functional material adoptions and so on. This special issue covers the neo-concept designs and suggestions for photovoltaics cells, photoelectric devices and functional devices for energy applications.





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## Message from the Editor-in-Chief

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