



## Application of Nanotechnology in Photovoltaic Systems

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Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

Dear Colleagues,

The Photovoltaic Systems are facing new challenges and opportunities due to the development of new solar cells. Nowadays, heterojunction solar cell efficiency is higher than the homojunction solar cells. However, the fabrication price of homojunction solar cells is lower than heterojunction solar cells. Nanotechnology with new nanostructures is becoming increasingly sought out and their inclusion in homojunction solar cells can bring benefits, for example, shifting the maximum efficiency position from the visible wavelengths to the infrareds, or improving solar energy harvesting.

This Special Issue invites original papers addressing the various topics relating nanotechnology materials and systems applied in Photovoltaic Systems. A wide variety of contributions is welcomed ranging from theoretical to simulation to experimental papers.





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