

JOURNAL OF NANO ENERGY AND POWER RESEARCH

(<http://aspbs.com/jnepr>)

A Special Issue on

“Solar Energy”

Call for Papers

Globally, the increase in growth rate of the human population is resulting in greater demand of energy for transportation, communication, entertainment and living comforts. It is expected that the increased fossil fuel consumption will contribute to enhanced global warming. Therefore, CO₂-free energy is an emergent issue and in this context, solar energy is an excellent renewable energy alternative. Dye-sensitized solar cells (DSSCs), organic thin-film solar cells, quantum dot solar cells, schottky solar cells, inorganic-organic heterojunction solar cells and many others have been developed as an efficient, low-cost technology during the last few years. This special issue will contain high-quality research work addressing the latest innovations in nanomaterials research focused on solar cells, and synthetic nanomaterials mimicking light harvesting materials of nature. The design of novel generation of solar cells and smart nanomaterials will be covered. The special issue is aiming for a broad audience of readers in the field of material sciences, chemistry, physics and biology.

Potential topics include experimental and computational research on, but not limited to the following areas:

- Dye sensitized solar cells: organic dye and metal complexes
- Quantum dots solar cells.
- Flexible solar cells: polymers
- Light-harvesting conjugated polymers
- Light harvesting and photocatalysis
- Light harvesting nanomaterials and solar energy conversion
- Bulk Heterojunction Solar Cells (PCBM/P3HT)

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MANUSCRIPT SUBMISSION

Manuscripts must be prepared according to the Journal's guidelines, available at <http://aspbs.com/jnepr>. **Submit your cover letter and manuscript in MS Word or PDF format directly to one of the Guest Editors.** All submissions to this special issue will be subjected to a strict peer review process to ensure that only high quality articles are published. **Please indicate in your cover letter that the submitted paper has not been published previously and is not currently submitted for review to any other journal and will not be submitted elsewhere before a final decision is made by this journal.**

Please notify the Guest Editors well in advance for your kind intention for submitting a research article/communication/review paper.

Important Dates

Manuscript Due Date	December 15, 2011
Author's Notification	January 15, 2012
Publication Date	April 15, 2012