



International Journal of Photoenergy

Special Issue on  
**New Energy Materials and Device Application**

# CALL FOR PAPERS

In the 21st century, aggravating energy and environmental problems such as pollution, fossil fuel depletion, and global warming are ringing the alarm bell to human society. Therefore, clean and renewable energy materials as well as their devices are urgently demanded, which are the key and foundation to realize the transformation and utilization of new energy. The developments of energy storage and conversion techniques strongly depend on the achievements of material science. International Journal of Photoenergy is pleased to present a special issue featuring the research of new energy materials. The special issue focuses on the theory, design, synthesis, structure properties, challenge, integration strategies, performance analysis, and testing of materials for new energy applications. The editors feel that it is the right time to bring a special issue on novel energy materials for device applications for the benefit of readers of the International Journal of Photoenergy.

Potential topics include, but are not limited to:

- ▶ Novel energy materials characterization and analysis techniques
- ▶ Theoretical calculation and simulation regarding novel energy devices
- ▶ Nanostructured fabrication and integration processes for energy devices
- ▶ Photoelectrochemical and photocatalytic solar-energy harvesting and storage
- ▶ Interfaces in solid oxide fuel cells
- ▶ Other energy saving and storage materials/techniques

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