



Journal of Nanomaterials

Special Issue on
**Functional Nanomaterials for Renewable Energy
and Sustainability**

CALL FOR PAPERS

Energy and environmental crisis has become one of the most pressing issues of our society in the past decades. Extensive efforts have been devoted to the development of renewable alternative energies that are conducive to environmental sustainability. This special issue provides comprehensive coverage of this exciting and dynamic field, which joins nanoscience and nanotechnology with renewable energy and sustainability science. The issue is relevant to all those who are interested in nanomaterial-enabled solutions to the renewable energy and sustainability problems. The scope is inherently broad and the issue recognizes the complexity and challenges relating to renewable energy and sustainability science and, therefore, particularly welcomes work of an interdisciplinary nature which spans a variety of disciplines, including (bio)chemical sciences, (bio)physical sciences, and chemical engineering.

The purpose of this special issue is to publish high-quality research papers as well as review articles addressing recent advances in renewable energy and sustainability. Original, high-quality contributions that are not yet published or being considered by other journals are welcome.

Potential topics include, but are not limited to:

- ▶ Design and synthesis of nanomaterials that minimize the use and generation of hazardous substances
- ▶ Hydrogen generation and storage
- ▶ Fuel cells
- ▶ Batteries and supercapacitors
- ▶ Optoelectronic devices for efficient energy utilization
- ▶ Carbon capture and storage
- ▶ Biofuels and biorefineries
- ▶ Energy systems and networks
- ▶ Global atmospheric chemistry
- ▶ Utilization and exploration of sustainable resources

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jnm/fnre/>.

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