



Special Issue on
**Recent Advances in Inorganic Nanomaterials for
Energy Applications: Computational and
Experimental Aspects**

CALL FOR PAPERS

The ever increasing energy demand and rapid depletion of conventional fossil fuels coupled with regulatory restrictions create a pressing need to explore alternative ways to generate energy. In this regard, the fundamental and applied research aimed at solving energy related issues by utilizing the knowledge of inorganic chemistry has been an important focus. The main thematic focus of this special issue is providing a platform for scientific community of diverse research backgrounds to showcase recent advances in basic and applied research of inorganic nanomaterials and their application in energy generation.

We invite authors to contribute original research articles as well as review articles that will have a positive impact on both general and focused audience. While authors are welcome to contribute both experimental and theoretical research articles of inorganic nanomaterials related to energy applications, renewable or nonrenewable, interdisciplinary research articles and high impact inorganic research articles are highly encouraged.

Potential topics include, but are not limited to:

- ▶ Photocatalytic hydrogen generation
- ▶ Proton exchange membrane (PEM) and solid oxide fuel cells
- ▶ High energy radiation detection
- ▶ Inorganic nanocatalysts for biodiesel production
- ▶ Electrode materials for batteries
- ▶ Solid electrolytes for Li-ion batteries
- ▶ Structural, chemical, and electrical characterizations of inorganic materials for energy applications
- ▶ Computational studies of novel high energy nanomaterials
- ▶ Device miniaturization and cost calculation
- ▶ Inorganic nanosemiconductors, magnets, and superconductors

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

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Manuscript Due

Friday, 27 May 2016

First Round of Reviews

Friday, 19 August 2016

Publication Date

Friday, 14 October 2016