



Advances in Chemistry

Special Issue on  
**Metal and Ceramic Nanoparticles for High Energy Applications**

# CALL FOR PAPERS

The world is now in search for alternative renewable energy, and nanomaterials are one of the most promising approaches to achieve the goal with light weight and tailorable properties and functionalities. With long-lasting vitality and continuously rapid growth of nanotechnology and nanomaterials, metal/ceramic nanoparticles also promise a prosperous future in energy applications.

This is an open access journal highlighting the continued growth and new challenges in different fields of chemistry, both for application development and for basic research. We invite researchers from both academia and industry to submit their original research papers and review articles to this special issue of this journal on metal and ceramic nanoparticles in the field of energy. These articles should not only advance cutting-edge research in related areas, but also bring these life-shaping technologies and knowledge to a general audience and increase the awareness of the public. Both theoretical and experimental studies on metal/ceramic nanoparticles and their effects on processing, structures, and properties of those nanodimensional materials related to the field of energy applications are within the interests of this special issue.

Potential topics include, but are not limited to:

- ▶ Novel syntheses of metal and ceramic nanoparticles
- ▶ Novel characterization techniques and assessment tools of metal/ceramic nanoparticles for energy applications
- ▶ Nanomaterials in green energy applications
- ▶ Polymer nanocomposites for energy applications
- ▶ Fabrication techniques of nanocomposites from metal/ceramic nanoparticles for energy applications
- ▶ Environmental issues regarding energy applications of nanoparticles

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ac/materials.chemistry/amc/>.

**Lead Guest Editor**

Mahuya Das, JIS College of Engineering, West Bengal, India  
*d\_mahuya@yahoo.com*

**Guest Editors**

James D. Hoefelmeyer, University of South Dakota, Vermillion, USA  
*james.hoefelmeyer@usd.edu*

Changdeuck Bae, Sungkyunkwan University, Suwon, Republic of Korea  
*changdeuck@skku.edu*

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