

# **Journal of Nanoengineering and Nanomanufacturing**

## **A Special Issue on**

### **“Functional Nanomaterials for Biosensors”**

#### **CALL FOR PAPERS**

The first decade of the 21st century has been labeled as "the sensing decade". The functional nanomaterials offer excellent platforms for fabrication of sensitive biosensing devices, including optical and electronic biosensors. The bio-functionalization of different nanomaterials, such as metal nanoparticles, semiconductor nanoparticles and carbon nanostructures, by physical adsorption, electrostatic binding, specific recognition or covalent coupling have attracted considerable attention in various areas of sensor development. These bio-functionalized nanomaterials can be used as catalysts, electronic conductors, optical emitters, carriers or tracers to obtain the amplified detection signal and the stabilized recognition probes or biosensing interface. The designed signal amplification strategies have greatly promoted the development of stable, specific, selective and sensitive biosensors in various fields. This special issue focuses on **new trends in the functional nanomaterials for use as/in biosensors**. Emphasis will be on device/industry oriented research work. We invite the submission of original full-length research articles and short communications for rapid publication.

#### **Manuscript Submission**

Manuscripts must be prepared according to Journal's guidelines, available at <http://www.aspbs.com/jnan/>. Submit your manuscripts in MS word or PDF format online to any of the following email addresses or can be submitted online through manuscript tracking system. In the cover letter, please mention that the manuscript is submitted for the special issue. All papers submitted to this issue will be subject to a strict peer review process to ensure high quality articles. Please also mention in the 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 decision is made by this journal.

#### **Guest Editors**

Shafeeque Ahmed Ansari  
Centre for Interdisciplinary Research in Basic Sciences,  
Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India  
Tel: +11-32084481, Email: [saansari@jmi.ac.in](mailto:saansari@jmi.ac.in)

Atul Kulkarni  
School of Mechanical Engineering,  
Sungkyunkwan University, Suwon 440 746, South Korea  
Tel: +82-31-299-4751, Email: [atulnano@skku.edu](mailto:atulnano@skku.edu)

Zubaida A Ansari  
Centre for Interdisciplinary Research in Basic Sciences,  
Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India  
Tel: +11-26983409, Email: [zaansari@jmi.ac.in](mailto:zaansari@jmi.ac.in)

#### **Important Dates**

Manuscript Due: October 01, 2014

Review completed: November 01, 2014

Final Submission: December 01, 2014

Publication Date: January/February- 2015