

Journal of Nanoengineering and Nanomanufacturing
A Special Issue on
"High Performance Graphene-based Polymer Nanocomposites"

CALL FOR PAPERS

The family of graphene-based nanostructures includes single-layer graphene nanosheet, few-layer graphene, graphene oxide (GO), and reduced graphene oxide (RGO). Unique properties (e.g., high specific surface area, good chemical and thermal stability, and good mechanical property) of graphene-based materials have attracted considerable attention in various areas of material research. This special issue focuses on **new trends in the High Performance Graphene-based Polymer Nanocomposites**. We invite the submission of original full-length research articles and short communications. Critical review papers will be also considered for publication, while the preference will be given to specially invited experts in the field. All high quality articles reporting on the following topics are welcome.

- *Covalent/noncovalent functionalization of graphene-based nanostructures*
- *Novel design and nanofabrication of graphene-based polymer nanocomposites (e.g., fibers, thin films, membranes, nano/micro/mesoporous materials, etc.)*
- *Strategies to control the morphology of graphene-based polymer nanocomposites, new exfoliation and dispersion techniques.*
- *Characterization of graphene-based nanostructures and nanocomposites using state-of-the-art methods.*
- *High performance graphene-based nanocomposites for solar cells, fuel cells, supercapacitors, batteries, printed electronics, sensors, as well as all areas of biomedical applications.*

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 the **Manuscript Tracking System**. In the cover letter, you have to mention that the manuscript belongs to the special issue. All papers submitted to this issue will be subject to a strict peer review process to ensure high quality articles. Please make sure 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.

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Important Dates

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