

MATERIALS FOCUS

(www.aspbs.com/mat)

Call for Papers for special Issue on

“Functionally Active Materials: Design, Processing & Applications”

Functional materials offer a wide range of opportunities to address the many research and development challenges in the area of materials science, nanoscience and nanotechnology. Multi-functional properties of these materials open the potential application in a wide range including agriculture, medicine, energy, engineering, telecommunications, disaster management, sensors, biomedicine and environmental conservation. The major focus of this special issue is on development of emerging functional material in the nanoscale and their emerging applications towards commercialization. This special issue will illustrate a novel pathway to achieve novel applications using functionally active materials. Contributions for this special issue will be considered in the form of review articles, short communications and original research articles.

Title of this special issue will cover-

1. Functional materials synthesis and characterization.
2. Magnetic Materials and Nanostructures
3. Materials for electrocatalysis and electrochemical sensors
4. Materials for optical sensors and gas sensors
4. Materials for photocatalysis, Advanced oxidation process
5. Materials for drug delivery
6. Materials for photoelectrochemical cells, dye-sensitized solar cells and Quantum dot solar cells
7. Materials for catalytic applications and other emerging area in the nanoscience and nanotechnology.
8. Graphene: synthesis & applications

Manuscript Preparation and Submission Forthcoming authors should submit a cover letter (*indicate that the submitted paper is original and has not been published previously and is not currently submitted to any other journal and will not be submitted elsewhere before a final decision is made by this journal*) along with three potential referees and single MS word file having text/figures/tables/graphical abstract directly to the Guest Editor **Dr. Alagarsamy Pandikumar** through **pandikumar@gmail.com**. A graphical abstract is mandatory for all types of papers. All manuscripts will be peer-reviewed to ensure a high quality of articles and an early submission is highly appreciated in case of review and publication process. All manuscripts should be prepared according to Journal's guidelines, available at <http://www.aspbs.com/mat/>.

Important Dates:

Last date of manuscript submission: November 30, 2015

Completion of Review Process: December 25, 2015

Publication date: January, 01, 2016

Guest Editors:**Dr. Alagarsamy Pandikumar**

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