Tentative Outline

Special Thematic Issue for Current Nanoscience

Applications of Nanocomposites in Humidity Sensors and Solar Cells

Guest Editors: Dr. Sher Bahadar Khan & Dr. Muhammad Tariq Saeed

Aims & Scope:
Nanocomposites have recently attracted great attention because of their wide range of applications in various fields such as catalysis, energy, sensor, medical, waste water treatment etc. Thus nanocomposites have found promising future in next generation of devices. The aim of this special issue is to carry out new potential and advances in the field of nanocomposites. The manuscript in this special issue will be full research paper / review articles which are given below.

Keywords: Nanocomposites, Humidity Sensors, and Solar Cells

Subtopics:
The subtopics to be covered within this issue are listed below:

- Optical absorption enhancement in organic semiconductor thin film using nanostructures: A simulation study
- Recent Advancements in High Performance Solid Electrolytes for Li-ion Batteries: Towards a Solid Future
- Impedimetric temperature sensors based on the nanocomposites of carbon nanotubes and graphene with silicone adhesive
- Development of a comprehensive Matlab/Simulink based Model for high-efficiency 2nd generation photovoltaic (PV) modules
- A short analysis on the morphological characterization of colloidal quantum dots for photovoltaic applications
- Spark Plasma Sintering of Hybrid Nanocomposites of Hydroxyapatite Reinforced with CNTs and SS316L for Biomedical Applications
- Prediction and Optimization of Parameters for the Al5083/ B4C Composite Wear Rate
- Nanostructured materials and their potential as electrochemical sensors

Schedule:

- Manuscript submission deadline: November 2018
- Peer Review Due: February 2019
- Revision Due: March 2019
- Final manuscripts due: June 2020

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