

Tentative Outline
Special Issue for "Recent Patents on Nanotechnology "

Guest Editor(s): *Dr. Sher Bahadar Khan*

TITLE: Nanocomposites for environmental remediation and their fascinating attributes

Aims & Scope: Nanocomposites have wide range of applications in various fields such as biosensors devices, chemical sensors devices, photo-catalysis, solar cell devices, nano-medicine, nano-drug delivery, nano-electronics, environmental remediation etc. Thus nanocomposites have found promising future in next generation of environmental technology. The aim of this special issue is to carry out new potential and advances in the field of nanocomposites as a solid phase extractor. The manuscript in this special issue will be full research paper / review articles which are given below and some more papers are coming.

Keywords: photocatalysis, composite materials, Silver Nanoparticles, polluted aqueous Solution, Electrospun Nanofiber, humidity sensor, nanocomposite, antifouling, nanofiltration, Polymer-clay, thin films, heavy metal ions.

Tentative Titles:

- 1- **Color removal from waste water using adsorption assisted photocatalysis on the synthesized $MgAl_2O_4$ - Sb_2S_3 composite materials.**
- 2- **2-Cyperus Rotundus Capped Silver Nanoparticles as a Novel Nano Green biosorbent for Selective and Efficient extraction of heavy metal ions from polluted aqueous Solution.**
- 3- **Preparation, Functionalization and Application of Electrospun Nanofiber in Water Treatment: A Recent Trends Review**
- 4- **Recent development of nanocomposites for environmental applications: A review**
- 5- **Nanocomposites based humidity sensor for environmental applications**
- 6- **Polymer nanocomposite membranes for antifouling nanofiltration**
- 7- **Polymer-clay for environmental applications**
- 8- **Nano Green biosorbent for polluted water purification**
- 9- **Polymer-Clay thin films for Energy applications**

Schedule:

Manuscript submission deadline:	August 2015
Peer Review Due:	October 2015
Revision Due:	November 2015
Notification of acceptance by the Guest Editor:	November 2015
Final manuscripts due:	December 2015