

Call for Manuscripts for SPECIAL ISSUE on “Nanoparticle Synthesis and Their Potential Applications”

Nanoparticles are of great interest owing to their extremely small size and high surface to volume ratio, which alter their physical and chemical properties (such as catalytic activity, thermal and electrical conductivity, optical absorption and melting point) compared to bulk of the same chemical composition. Due to these beneficial properties, nanomaterials have found potential applications in electronics, photonics, catalysis, information storage, chemical sensing and imaging, environmental remediation, drug delivery, biological labeling, cosmetics, biomedical, mechanics, optics, chemical industries, space industries, energy science, light emitters, single electron transistors and nonlinear optical devices. Research on nanomaterials during the recent past has evidenced dramatic innovation and advancement. These new and innovative advances especially in synthesis and novel applications of nanoparticles have attracted the attention of scientific community. This resulted in significant increase in submission and subsequent publication of research papers related to nanoparticles. Therefore, it is a right time that an edition of a special issue of “*Journal of Environment and Biotechnology Research*” focuses on the recent advances on “Nanoparticle Synthesis and Their Potential Applications”.

Thus the main aim of this special issue is to provide a platform for the discussion of the major research challenges and achievements on this topic.

Potential topics include, but are not limited to:

- Synthesis of Nanoparticles
- Synthesis of Magnetic Nanoparticles
- Applications of Nanoparticles in Various Fields
- Removal of Hazardous Compounds from Waste Water Using Nanoparticles
- Bio-functionalization of Nanoparticle
- Nano-composites

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