# Tentative Outline

**Special Issue for Current Analytical Chemistry**  
**Graphene Based Polymer Nanocomposite**

*Guest Editor: Anish Khan, Aftab Aslam Parwaz Khan, Mohammed Jawaid, Abdullah M. Asiri*

## Aims & Scope:

Polymer scientific experts and material researchers are now on top of things by fusing graphene or potentially its subsidiaries in polymer grids to build up an application that works extraordinarily. That’s why our aim is to collect the latest research or new outputs of the graphene polymer nanocomposites together. To give collective information in one bundle in all about the graphene polymer nanocomposite to the world wide researchers and students as well as industries RND scientists working on the related field of research to contribute to the advanced technologically boomed material.

The Scope of graphene with polymers to build graphene polymer nanocomposites has pulled significant consideration in a previous couple of years for both fundamental research and various mechanical applications. With the wide decent variety in sub-atomic structures of graphene and polymers by means of rich chemical route, various graphene polymer nanocomposites have been produced with special electrical, and mechanical properties, compound viability, and alluring capacities, which extraordinarily grows the research interests of graphene-based polymer nanocomposites. Specifically, the properties of the graphene base polymer nanocomposite can be promptly tuned by accurately controlling the various leveled in the graphene design and additionally the multifaceted synergistic interactions amongst graphene and polymers.

## Subtopics:

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

- Preparation methodology of graphene polymer nanocomposite
- Morphological characterization of the graphene polymer composite properties
- Conducting or/optical properties of the graphene polymer composite
- Thermal studies of the graphene polymer composite
- Interaction of the graphene and moieties in the graphene polymer composite and sensing studies
- Biological studies of the graphene polymer composite
- Energy applications of the graphene based polymer composite
- Processing technology of graphene polymer nanocomposite

## Schedule:

- Manuscript Submission: February 1, 2018
- Peer Review Due: March 1, 2018
- Revision Due: March 15, 2018
- Notification of Acceptance by the Guest Editor: March 30, 2018
- Final Manuscript Due: August 10, 2018

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