

## **Abstract of Presentation**

Presentation Title:

Recent advances in polymer/layered filler nanocomposites

Abstract :

Polymer/layered filler nanocomposites (PLFNCs) offer remarkably improved mechanical and various other properties with low inorganic filler loading. The major development in this field has been carried out over last one and half decades. However we are far from the goal in terms of understanding the mechanisms of the enhancement effect in the nanocomposites. Continued progress in nanoscale controlling, as well as an improved understanding of the physicochemical phenomena at the nanometer scale, have contributed to the rapid development of novel PLFNCs. We present recent advances in PLFNCs with the primary focus of recent advances from basic science to technology.