Journal of
Composites Science

IMPACT FACTOR 3.0

CITESCORE 5.0

an Open Access Journal by MDPI

Recent Advances in Graphene-based Nanocomposites

Guest Editor:

Dr. Cristina Vallés
School of Materials and National Graphene Institute, University of Manchester, Manchester, UK

Deadline for manuscript submissions:
closed (1 December 2019)

Message from the Guest Editor

Graphene has attracted significant interest due to its unique properties, such as very high thermal conductivity, high electron mobility at room temperature, large surface area, high modulus of elasticity and good electrical conductivity. These properties make it an ideal material for a wide range of applications, including sensors, batteries, supercapacitors, hydrogen storage and reinforcing fillers.

The main aim of this Special Issue is to collect recent works that address any of these issues. Recent works on composites filled with any graphene related material that are focused on reinforcing the mechanical, electrical or thermal properties of a polymer matrix are welcome. Papers presenting studies on preparation methods and modelling of factors that affect the properties of graphene/polymer composites and recent advances on composite coatings, bulk and highly ordered composites or 3D graphene composites are also welcome.

Going towards the development of novel and creative functionalities research on (multi)functional nanocomposites with great potential to open the door to novel revolutionary applications, are particularly encouraged to participate in this Special Issue.