Special Issue

Carbon-Based Nanomaterials: Potential in the Environmental Area

Message from the Guest Editors

In recent years, carbon-derived nanomaterials such as graphene, graphene oxide, and carbon nanotubes have attracted enormous attention both in the academic area and in industry. Due to their excellent characteristics, these materials have been applied to a wide variety of fields. Research in the environmental area, including water treatment, effluents, and agriculture, has demonstrated the efficiency of graphene-based materials, including nanoparticles, adsorbents, modified membranes surface, etc., for removing salinity, emerging contaminants, among others. However, research in the environmental area is more focused on the academic field, without major commercial applications. Thus, it is understood that evaluating this material as innovative in the sustainability of the environment is extremely important. This Special Issue, "Carbon-based Nanomaterials: Potential in the Environmental Area" aims to provide a description of the state of the art and future perspectives, as well as new discussions on applications of carbon-based materials (graphene, graphene oxide, and carbon nanotubes) in the environment.

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