



The Applications of Graphene and 2D Layered Materials

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Message from the Guest Editor

Graphene and, more generally, 2D layered materials, are, at the moment, one of the hottest topics in fundamental and applied research. The variety of electrical, optical, thermal, mechanical and chemical properties, combined with the highest achievable surface-to-volume ratio, render them suitable for advanced applications in many areas, such as material science, physics, chemistry, engineering, biology, medicine, etcetera. However, translating specific properties into real-world, sustainable applications is challenging.

The scope of this Special Issue is to collect the most recent scientific and industrial applications that make use of graphene and other 2D materials. The objective is to have a unique, interdisciplinary platform, which contributes to the diffusion of the scientific and technical knowledge for the sustainable exploitation of these new materials.

An indicative list of application areas considered in the present Special Issue is given below: electronics and optoelectronics; thermoelectric devices, batteries; materials; chemistry and physics; biology and medicine, etc.





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