

Special Issue

The Applications of Graphene and 2D Layered Materials

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.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2018)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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