Special Issue

Recent Advances in Graphene and Other 2D Materials

Message from the Guest Editors

Since the first demonstration of the unique properties of the thinnest possible material in nature, graphene, in 2004, it has attracted enormous researcher interest from all over the world. The reason for this is graphene's fascinating electronic, optical and mechanical properties. The whole area of THz plasmonics rose up thanks to graphene. The graphene boom had other significant consequences. First, it spurred the search of other two-dimensional materials. Secondly, the honeycomb crystal structure, characteristic of graphene and TMDs, responsible for some of their unique properties, inspired researchers to mimic it in other systems, such as cold atoms and photonic crystals. This Special Issue aims to gather original research articles and review papers describing experimental and theoretical results concerning research in the area of graphene and other 2D materials. It is open to contributions covering fundamental research, material properties and applications, including 2D material-based photonic, (opto-)electronic, sensing and mechanical devices.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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