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2D Nanomaterials for Batteries

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Deadline for manuscript submissions:
closed (25 March 2022)

Message from the Guest Editors

Dear Colleagues,

Two-dimensional (2D) nanomaterials have emerged as a new class of promising materials with a wide variety of applications in diverse fields. While graphene is considered to be the most important member of this distinct class of materials, hexagonal boron nitride nanosheets (hBNNS), nanodimensional transition metal dichalcogenides (TMDCs), and many layered transition metal oxides are also included in the same family. The significantly high surface to volume ratio of such nanomaterials makes them suitable for manufacturing a variety of polymer nanocomposites and hybrid nanocomposites useful for battery applications.

In this Special Issue of *Batteries*, we invite manuscripts focused on 2D nanomaterials directed towards application in the battery sector, especially in the development of newer anode or cathode electrodes materials including, but not limited to, NMC batteries, NMC/graphite, NMC/Graphene, Li-MnO-Graphene, LTO/Graphene, lithium-metal oxide-graphene, and boron-doped semiconductors. Original research articles and reviews involving synthesis, characterization, fabrication, and applications are welcome.

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Editor-in-Chief

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Message from the Editor-in-Chief

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