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# Carbon-Based Materials and Their Electrochemical Applications

Guest Editor:

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## Message from the Guest Editor

Dear Colleagues,

In the periodic table, carbon, as an element, stands out as important from the standpoint of our existence on this planet as the compounds in our body are carbon-based, as much as our energy storage systems. It exists in attractive allotropic forms, such as graphite, diamond and bucky balls. The use of graphite in the present technological world is growing steadily; with the discovery of graphene which is a 2D material derived from graphite, the importance of carbon has rocketed sky-high. The special issue will focus on carbon-based materials.

The scope of this special issue is to focus on all areas of carbon-based materials in electrochemical applications. Examples include: Graphitic electrodes stemming from artificial graphite to synthetic graphite, glassy carbon, vitreous carbon, single walled and multiwalled carbon nanotubes, graphene, graphene quantum dots, carbon paste and carbon composites. This Special Issue will also address all related areas of carbon-based materials with specific applications to electron transfer processes that would help the growth of materials chemistry and engineering.