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Carbon and Related Composites for Sensors and Energy Storage: Synthesis, Properties, and Application

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to present and disseminate recent advances in the development of synthesis, functionalization/modification of carbon-based nanomaterials and nanostructures as well as their chemical, physical and other characterization techniques. This will help other researchers to quickly find related publications and compare them with their own work on carbon nanostructures.

The proposed topics to be covered in this Special Issue include (but are not limited to) the following:

1. Carbon-related materials: carbon; graphene; graphene oxide; reduced graphene oxide; nanodiamonds; nanodots; nanohorns; nanotubes; nanoribbon.
2. Synthesis: surface functionalization; high surface area materials.
3. Characterization: microstructural analysis; chemical and physical properties; electrochemical properties.
4. Application: sensors; energy-harvesting systems.

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