

Special Issue

Carbon-Based Materials for Biosensing Technology

Message from the Guest Editor

Carbon materials, such as graphite, graphene, graphene oxide, carbon nanotubes and fullerenes, have very unique structure, optical, thermal, electrical, optical, and mechanical properties. These properties are promising for fabricating state-of-the-art nanoscale sensors. The process of obtaining and accentuating carbon properties for sensing of each substance is paramount. The field is growing and many questions remain to be answered. This Special Issue on “Carbon-Based Materials for Biosensing Technology” aims to curate novel advances in processes of turning carbon materials into state of the state-of-the-art sensors to address longstanding challenges in biological sensors. Topics of carbon-based sensors include but are not limited to:

- Wearable stretchable;
- Electrical or doping;
- Electrochemical;
- Invasive electrophysiological;
- Olfactory;
- Nanopore;
- Processing or testing;
- Safety and biocompatibility;
- Reliability and robustness.

Guest Editor

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