



Graphene/Carbon Nanotubes Application in Solar Cells

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 March 2018)

Message from the Guest Editor

The production of new methods to create the energy required for society is critically important for the future. Continuous use of fossil fuels would cause significant environmental issues. One important option is the development of new, so-called third generation, photovoltaic devices or solar cells. Some of the challenges for these devices include attaining high efficiencies that are stable for long times, making cells that have areas high enough to be commercially relevant, maximising deployment opportunities by making flexible, lightweight cells and developing reproducible production methods that will keep device costs low. Many of these challenges can be addressed with the use of nanocarbons, such as carbon nanotubes, graphene, graphene oxide or reduced graphene oxide. These materials have been used in every component of various devices and have shown many very promising results.

It is my pleasure to invite you to submit contributions that address some of the key challenges through the use of nanocarbons in the development of new photovoltaics devices, including, but not limited to, organophotovoltaic cells, perovskite cells and dye sensitised cells.





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Message from the Editor-in-Chief

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