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# Functionalized Graphene Derivatives: Structure, Properties and Biological Applications

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Deadline for manuscript submissions:
**closed (30 September 2021)**

## Message from the Guest Editors

Dear Colleagues,

In recent years, we have witnessed a burst in the production and usage in biomedicine of nanomaterials in general and of graphene in particular.

Graphene and graphene oxide are very suitable in biosystems: in fact, they show low cytotoxicity and chemical properties that allow the binding of active biomolecules and could therefore favor their intracellular delivery.

Progresses in nanotechnology have allowed production of different forms of graphene that now represent a family, each member of which possesses different characteristics and properties.

Unfortunately, this massive interest and production is not accompanied by a deep study of its biological effects, so that there is still much to discover and understand regarding many aspects of this nanomaterial.

This Special Issue will focus on new aspects of graphene, such as functionalization, toxicity studies, and applications in biology and medicine.

We invite authors to submit innovative research papers or reviews toward better understanding the effects of graphene nanoparticles in biosystems.

Particular attention will be dedicated to the antimicrobial and antiviral properties of graphene.

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## Message from the Editor-in-Chief

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